

**REPORT ON THE INITIATIVES AND ACTIVITIES ON RURAL
ELECTRIFICATION AND NEA INTERVENTION ON AILING ECs**
For the Year 2018

I. INTRODUCTION

It is the national policy as stated in Section 2 of the Republic Act No. 10531 (RA 10531), otherwise known as the National Electrification Administration Act of 2013 to:

1. Promote the sustainable development in the rural areas through rural electrification;
2. Pursue electrification program and bring electricity through the electric cooperatives (ECs) to the countryside even in missionary or economically unviable areas; and
3. Empower ECs to cope with the changes brought about by the restructuring of the electric power industry.

Likewise, under Section 29 of RA 10531 Implementing Rules and Regulations (IRR), to enhance the effectiveness of the Joint Congressional Power Commission (JCPC) in the exercise of its oversight function, the NEA Board of Administrators shall submit to the JCPC a semi-annual report on the initiatives and activities on rural electrification, including the supervision of the NEA over the electric cooperatives in the performance of their franchise obligations.

This report summarizes the status of the NEA's initiatives and activities on rural electrification, and the interventions of NEA over the electric cooperatives in the performance of their franchise obligations.

II. EXECUTIVE SUMMARY

The highlights of the NEA's accomplishments on the initiatives and activities on rural electrification for year 2018.

A. Status of Rural Electrification Program

In line with the government's program to energize the whole country by 2022, the NEA and its implementing arms, the electric cooperatives, completed and energized a total of 1,984 sitios or 109% against the 2018 target of 1,817. Despite the limited approved/allotted government subsidy funds for Sitio Electrification Program (SEP) and because of the strong commitment of both the NEA and the ECs to Rural Electrification Program, additional 167 sitios have been energized.

In terms of consumer connections, the 2018 target was to energize 460,000 consumers, actual accomplishment was 640,798 or 39% higher against the target. This brought to a total of 12.827 million consumer connections as of December 31, 2018. Using the 2015 Population Census as base year for potential consumers, the electrification level registered at 89%.

B. Status of Subsidy Fund Releases

Government subsidy funds financed the Rural Electrification Program, a government infrastructure program like roads and bridges; and the rehabilitation and restoration of areas devastated by calamities. For 2018, a total of PhP 3,233.86 million subsidy funds were released to 169 ECs.

C. Status of Loans and Credit Accommodation to Electric Cooperatives

The NEA is providing financial assistance through loans to ECs based on Section 5(o) of Republic Act 10531. For 2018, loan applications of 82 ECs have been approved by the NEA Board of Administrators amounting to PhP 2,074.90 million. Of the total approved loans, PhP 1,811.36 million was released for the ECs' required capital expenditures, PhP 165.00 million as short-term credit facility and PhP 98.55 million as calamity loan.

D. Capacity Building Programs for NEA and ECs

Second in the seven (7) – point agenda of NEA, capacity building is one of the major corporate services. Relative to this, a total of 155 certification and training programs were conducted in 2018, 78 of which were for NEA associates and 77 for the EC management and staff. Capacitated were 867 participants from the NEA and 3,301 from the ECs. The programs offered were in the field of finance, cooperative management, technical proficiency, leadership and governance, application of laws, policies, principles and directives and on the latest technology development and innovations.

E. Summary of Approved Policy, Guidelines and Procedures for the Fulfillment of the NEA Statutory Obligations under RA 10531 and its implementing rules and regulations

To ensure success in the implementation of plans and programs and to provide guidance and directions to ECs to improve further their overall performance, a total of 21 policies, guidelines and procedures have been formulated and approved by the NEA BOA.

F. Renewable Energy (RE) Development

To accelerate rural electrification in remote and off-grid areas, NEA promotes the use and development of renewable energy-based resources.

Initiated programs are the utilization of 50 Wp Solar Home System (SHS) for the Expanded HH Electrification Program and the introduction of Mini-Grid System for the Expanded SEP. Both programs are still in the process of evaluating EC grantee and identification of consumer beneficiaries.

There are also on-going feasibility studies for the development of Hydrogen Technology (H2One) solution, Toshiba-assisted project and Hybridization of existing diesel power plants with RE and Battery, a National Economic and Development Authority (NEDA) assisted project.

On-going projects are the Solar Photo Voltaic Mainstreaming (PVM) Program, Rural Network Solar (RNS), and Renewable Energy for Rural Electrification (RE4RE) and Renewable Energy Hybrid Projects all under the EU-Access to Sustainable Energy Programme (ASEP).

Continuing program are information, education and communication campaign on Net Metering and Simplified Planning Tool of Renewable Energy-Diesel Hybrid System and Utility Scale Solar PV.

G. Status of ECs under Private Sector Participation and Assistance and Recommendations for Ailing ECs

There are three (3) ECs under private sector participation (PSP), ALECO with Concession Agreement with San Miguel Energy Corporation (SMEC) and its subsidiary Albay Electric Power Company (APEC); second is PELCO II with Investment Management Contract (IMC) with COMSTECH and Manila Electric Company; and third is ZAMCELCO with Crown Investment Holdings, Inc. The NEA continues to monitor the performance of the ECs and their PSP partners.

APEC-ALECO still faces challenges in their operation. The system loss is still above the cap at 23.08% and collection efficiency is still low with 78%. PELCO II, on the other hand, has improved in its performance with 100% collection efficiency and 10.93% system loss. ZAMCELCO, although with high collection efficiency of 95.71%, still has a high system loss of 23.05%

Of the ten (10) ECs declared as ailing, only eight (8) were classified as Red based on the latest evaluation. The other two (2) which are PELCO III and CASURECO III are assessed as Yellow I and Yellow 2, respectively. Status of operations were included in this report to show their status for the last three (3) years.

To improve the performance of these ECs, the NEA initiated the following:

1. Creation of Task Force Duterte and Management Teams
2. Designation of Acting General Managers and Project Supervisors who are required to submit individual scorecard on their plans and programs
3. Conduct of comprehensive audit (financial, technical and institutional) and recommends resolutions to improve their operations and performance
4. Organization of new and interim Board of Directors
5. Assistance in the formulation of Operation Improvement Plan (OIP) for ailing ECs or Strategic Development Plan (SDP) for Yellow 2 ECs
6. Monitoring and evaluation of the EC accomplishments in relation to OIP or SDP
7. Coordination meetings with stakeholders

The ECs continued in the rehabilitation and improvement of their electric distribution system, campaign on anti-pilferage, right-of-way clearing and networking with stakeholders and information and communication drive to get member-consumers-owners' involvement and participation.

III. DETAILS OF THE INITIATIVES AND ACTIVITIES ON RURAL ELECTRIFICATION

A. Status of Rural Electrification Program

Rural Electrification Program is the primary mandate of NEA through the electric cooperatives. This was clearly defined in Section 2 of Republic Act No.10531 that the Program is one of the basic requirements in the promotion of sustainable development in the countryside even in missionary or economically unviable areas. Electrification Program is an infrastructure program of the government, just like roads and bridges, the reason that funds for its realization should be provided by the government to spur development not just in urban places but more on rural areas nationwide.

The program is aligned with President Duterte's agenda of "Access to Electricity for All" and the Department of Energy's vision that all Filipinos should have access to basic electricity by 2020.

The foundation of all the efforts of the Rural Electrification workers in this mandate are the first and fourth in the NEA's seven (7) point agenda which are the completion of the National Rural Electrification Program and the carrying out of rural development through the Rural Electrification Program, respectively. The by-word is to accelerate program implementation towards achieving 100% electrification.

The NEA revised and formulated its current programs into a comprehensive "Strategized Total Electrification Program (STEP). It integrates various electrification programs, to include the following:

1. Expanded Sitio Electrification Program (Expanded SEP);
2. Barangay Line Enhancement Program (BLEP); and
3. Expanded Household Electrification Program (Expanded HHEP) for on-grid and off-grid areas.

Status of Sitio Electrification Program

For the year 2018, the NEA and the electric cooperatives mapped out to energize 1,817 sitios. Accomplished was 1,984 which is 167 or 9% higher than the target. To secure additional funds, ECs were directed to fast track liquidation and return to the NEA excess SEP fund. The excess funds plus the savings from previous years were then reallocated and released to ECs to complete additional SEP projects.

Implementation was prioritized and focused in Mindanao areas where there is a lower electrification level. The succeeding table shows this year's accomplishments of which Mindanao has the highest share of 50%, followed by the Visayas with 26% and Luzon at 24%, which brought to a cumulative total of 123,198 or 83% level accomplishments as of December 31, 2018.

Major Island	Total Energized Sitios			
	1 st semester	2 nd semester	Total	% to Total
Luzon	172	312	484	24
Visayas	122	394	516	26
Mindanao	337	647	984	50
National	631	1,353	1,984	100

Among regions, highest energization was registered in Region X with 269, closely followed by Regions XII and VI with 232 and 230, respectively.

Status of 2018 Sitio Electrification Program

LUZON		VISAYAS		MINDANAO	
I	39	VI	230	IX	124
II	142	VII	147	X	269
CAR	26	VIII	139	XI	107
III	65			XII	232
IV-A	36			ARMM	208
MIMAROPA	89			CARAGA	44
V	87				
TOTAL	484	TOTAL	516	TOTAL	984
GRAND TOTAL		1,984			

Please refer to Annex A for specifics

After three (3) years, a total of 6,496 sitios have been energized utilizing PhP 6.044 billion subsidy funds and the average cost of PhP 930 million to energize a sitio as shown in the table below:

Particulars	Implementation Year			
	2016	2017	2018	Total
Energized Sitios	3,334*	1,178	1,984	6,496
Subsidy Funds (PhPM)**	2,699.31	1,040.94	2,303.64	6,043.89
Ave. Cost per Sitio (PhPM)	0.810	0.884	1.161	0.930

*Include January to June 2016 accomplishment of 2,732 sitios from SEP Phase I and July to December 2016 accomplishment of 602 from SEP Phase II

**Annual subsidy funds utilized include annual GAA Approved Budget and savings from previous years

Status of Consumers Connections

In 2018, the target was to light up 460,000 consumers, total accomplishment was 640,798 which is higher by 39% versus target. Majority was implemented by Luzon ECs with 231,547 or 36%, followed by Mindanao ECs with 217,758 or 34% and 191,493 or 30% by the Visayas ECs, which brought to a cumulative total of 12.827 million consumer connections as of December 31, 2018.

Using the 2015 Population Census as base data for potential consumer's data, the level of electrification is at 89% in areas covered by the electric cooperatives. (Annex A1) This gives Filipinos more opportunities for economic uplift while socio-economic development for the communities.

Major Island	Total Consumers Connected			
	1 st semester	2 nd semester	Total	% to Total
Luzon	106,898	124,649	231,547	36
Visayas	69,784	121,709	191,493	30
Mindanao	83,542	134,216	217,758	34
National	260,224	380,574	640,798	100

On regional level, the three (3) highest implementors are Region VI, Region XII and Region III.

Status of 2018 Consumer Connections

LUZON		VISAYAS		MINDANAO	
I	35,347	VI	101,626	IX	24,448
II	25,377	VII	43,550	X	43,553
CAR	12,212	VIII	46,317	XI	24,042
III	68,179			XII	75,128
IV-A	27,853			ARMM	3,772
MIMAROPA	25,832			CARAGA	46,815
V	36,747				
TOTAL	231,547	TOTAL	191,493	TOTAL	217,758
GRAND TOTAL		640,798			

Please refer to Annex A for specifics

B. Status of Subsidy Funds Release

Electrification funds for SEP, BLEP and rehabilitation of calamity-stricken areas are sourced from the national government through subsidy. For 2018, total subsidy funds released was PhP 3.233 billion benefitting 169 ECs, PhP 0.761 billion was allocated and released to 71 ECs during the first semester and PhP 2.473 billion to 98 ECs in the second semester.

Major Island	Total Subsidy Released in 2018 (PhP Million)			
	1 st semester	2 nd semester	Total	% to Total
Luzon	299.60	608.24	907.84	28
Visayas	270.58	735.65	1,006.23	31
Mindanao	190.82	1,128.97	1,319.79	41
National	761.00	2,472.86	3,233.86	100

For the regional level, the three (3) top recipients of subsidy funds in 2018 were Regions VII, VI and CARAGA with PhP 420.42 million, PhP 394.68 million and PhP 366.48 million.

Region	Amount (PhP M)	Region	Amount (PhP M)	Region	Amount (PhP M)
I	64.05	VI	394.68	IX	102.22
II	141.68	VII	420.42	X	237.49
CAR	64.51	VIII	191.13	XI	200.27
III	77.64			XII	310.18
IV-A	112.76			ARMM	103.15
MIMAROPA	252.68			CARAGA	366.48
V	194.52				
LUZON	907.84	VISAYAS	1,006.23	MINDANAO	1,319.79
TOTAL					3,233.86

Please refer to Annex B for specifics

With the introduction of the Strategized Total Electrification Program (STEP), the ECs can source their electrification funds from ER 1-94, funds from local government units, reinvestment funds, loan funds, ECs' internal generated funds, funds from private sector which can be a qualified third party (QTP) or from the new power provider (NPP) and from grants/donations from local and foreign investors.

C. Release of Loans and Credit Accommodations to Electric Cooperatives

Under PD 269 and Section 5 (o) of RA 10531 on granting of loans to the electric cooperatives (ECs), the NEA processed and approved loan applications of 82 ECs amounting to PhP 2.075 billion in 2018. The loans financed the ECs' required capital expenditures, short term credit facilities for power bills payments and rehabilitation fund for areas devastated by calamities.

Table below shows the total loan releases to ECs in major islands, 50% of which was granted to Luzon ECs, 13% to ECs in the Visayas and 37% to Mindanao ECs.

Major Island	Total Loan Released in 2018 (PhP Million)			
	1 st semester	2 nd semester	Total	% to Total
Luzon	680.45	349.57	1,030.02	50
Visayas	149.13	127.74	276.87	13
Mindanao	456.93	311.08	768.01	37
National	1,286.51	788.39	2,074.90	100

For the regional level, the three (3) top recipients of loan funds in 2018 were Regions III which received PhP 229.56 million, Region V which was granted PhP 224.08 million and Region X with approved loan of PhP 221.68 million.

REGION	CAPEX LOAN (PhP M)	STCF/SCF (PhP M)	CALAMITY (PhP M)	TOTAL (PhP M)
I	166.21			166.21
II	97.98		38.82	136.80
CAR	18.46			18.46
III	229.56			229.56
IV	70.81	20.00		90.81
MIMAROPA	164.10			164.10
V	224.08			224.08
LUZON	971.20	20.00	38.82	1,030.02
VI	176.46			176.46
VII	37.09		12.00	49.09
VIII	51.32			51.32
VISAYAS	264.87		12.00	276.87
IX	61.97	145.00		206.97
X	194.50		27.19	221.69
XI	90.86			90.86
XII	111.99			111.99
ARMM	10.48		12.10	22.58
CARAGA	105.48		8.44	113.92
MINDANAO	575.28	145.00	47.73	768.01
TOTAL	1,811.35	165.00	98.55	2,074.90

Please refer to Annex C for specifics

D. Capacity Building Programs for NEA and ECs

In line with the second of the NEA’s seven (7) point agenda on the “Intensification of Capacity Building Programs for NEA and the Electric Cooperatives” and to carry out the statutory obligations for structural reforms stated in Republic Act 9136 (EPIRA) and RA 10531 (NEA Reform Act), training, certification and scholarship programs for both the NEA and ECs are being facilitated and implemented. These competency programs aim on financial proficiency, institutional competency and technical capacitation to keep the NEA and the electric cooperatives updated with globally accepted principles, best practices and latest technology.

There were 155 training programs conducted for both the NEA and EC staff. Of these, 78 were attended by the 867 NEA staff while 77 were participated by 3,301 EC personnel or a total of 4,168 participants.

Particulars	NEA	ECs
No. of Training Programs	78	77
1 st semester	31	42
2 nd semester	47	35
No. of Staff Capacitated	867	3,301
1 st semester	393	2,152
2 nd semester	474	1,149

I. Financial Proficiency Programs

No.	Title	Date	No. of Participants
1	Credit and Collection Seminar	Nov 21	1

II. Institutional Competency Programs

No.	Title	Date	No. of Participants
1	Seminar on Records and Information Management	July 17 -18	34
2	Complete Staff Work Practitioner Training	Sep 6 – Sep 7	26
3	Technical Writing Workshop	Sep 27 – Sep 28	25
4	Orientation on the Implementation of the Approved Records Disposition Schedule	July 31	52
5	Quality Customer Relations 1 st Batch	Aug 28 – Aug 29	46

	2 nd Batch	Dec 11 – Dec 14	117
6	Work Attitude and Values Enhancement at the Workplace for EC Employees 1 st Batch (EC employees) 2 nd Batch (EC employees) 3 rd Batch (EC employees) 4 th Batch (NEA employees)	Aug 30 – Aug 31 Sep 17 – Sep 22 Oct 16 – Oct 19 Nov 22 – Nov 23	40 178 74 31
7	Seminar on On-Line Form Builder	Oct 18 – Oct 19	17
8	Customer Service Skills Training	Nov 7 – Nov 8	25
9	Gender Sensitivity Training Energy Sector EC Employees	Nov 19 – Nov 20 Dec 17 – Dec 18	42 41
10	HRMD Practitioners Summit on the Development of CapDev Roadmap	Sep 11 – Sep 14 Nov 28	6
11	Cooperative Management Course I & III	Nov 5 – Nov 9	88
12	Capacity Program for Prospective Assessors	Nov 6 – Nov 9	16

III. Technical Capability Program

Foreign Scholarship

No.	Title	Date	No. of Participants
1	GESS IIA: Grid-connected and Off-grid Photovoltaics	Aug 20 - Aug 24	1
2	Overview of Energy Efficiency in Industry and Buildings	Aug 27 – Aug 31	1
3	Workshop Sharing: Conduct of Official Development Assistance (ODA) Projects of Distribution Voltage Upgrading	Nov 19 – Nov 22	3

Local Training Programs

No.	Title	Date	No. of Participants
1	Disaster Risk Reduction and Management and Workplace Safety Seminar	Aug 23	127
2	Meter Reading, Billing, Connection and Disconnection 1 st Batch 2 nd Batch 3 rd Batch	July 12 – July 16 Nov 12 – Nov 17 Dec 11 – Dec 15	47 96 81
3	Simplified Planning Tool for Development of RE Diesel Hybrid System 1 st Batch 2 nd Batch	Jul 25 – Jul 27 Sep 4 – Sep 6	52 39
4	Seminar on Distribution Network System for Reliability Improvement for ECs		

	1 st Batch	Jul 17 – Jul 18	74
	2 nd Batch	Jul 18 – Jul 19	74
5	Seminar-Workshop on Implementing Net Metering Rules and Interconnection Standards for EC	Oct 18 – Oct 19	74
6	Basic Lineman Training Course PALECO NORECO I ILECO I ISELCO I	Sep 4 – Oct 4 Sep 4 – Oct 4 Sep 26 – Oct 20 Oct 16 – Nov 15	34 49 24 34
7	Line Enhancement Course (ISELCO II)	Nov 19 – Nov 24	36

IV. Leadership and Management Capability Program

No.	Title	Date	No. of Participants
1	Manager's Role in Capacity Building	Aug 14 – Aug 15	1
2	Competency-Based HR	Sep 5 - Sep 7	1
3	Strategic Performance Management System	Oct 4 – Oct 5	33
4	Mentoring and Coaching for Leaders	Oct 10 – Oct 11	38
5	Recruitment, Selection and Placement System 1 st Batch 2 nd Batch	Oct 16 – Oct 18 Dec 4 – Dec 6	5 7
6	Corporate Governance: Board Effectiveness Best Practices	Nov 9	2
7	Collection Management and Strategies	Nov 9	1
8	Advance Leadership Training	Nov 13 – Nov 15	34
9	Organizing and Managing Grand Events	Nov 14 – Nov 15	26
10	Career Development and Succession Plan	Nov 20 – Nov 22	37
11	Ethical Leadership	Dec 4 – Dec 6	1
12	7 Habits of Highly Effective Government Leaders	Dec 4 – Dec 6	3

V. Information Technology

No.	Title	Date	No. of Participants
1	Power Business Intelligence Training for NEA 1 st Batch 2 nd Batch	Aug 28 – Aug 29 Aug 30	32 20
2	Database Management System using MS Access	Sep 19 – Sep20	41

3	Orientation Training of Office 365 1 st Batch 2 nd Batch	Aug 14 Aug 15	36 48
4	NEA BIT EC Regional Summit 1 st Batch 2 nd Batch 3 rd Batch 4 th Batch	Sep 4 Sep 12 Sep 19 Sep 26	55 91 77 67
5	Basic Videography	Nov 18 & Nov 25	1

VI. EPIRA and Other Related Concerns

No.	Title	Date	No. of Participants
1	Distribution System Protection Group 1 Group 2	July 3 – July 7 July 1 – July 14	21
2	Power Supply Contracting	Jul 4 – Jul 6	52
3	Power Distribution Line Worker Enhancement Course 1 st Batch 2 nd Batch	Jul 9 – Jul 14 July 16 – Jul 21	61
4	Electric Power Distribution Line Construction	June 25 – July 25	19

Compared with the same period for the last five years, the NEA implemented a total of 655 training, scholarship and certification programs and capacitated a total of 21,903 NEA and ECs management and staff. Average number of participants per training conducted was 33.

Status of Capacity Building Programs for NEA and ECs for the last five (5) years

PERIOD	NEA		ECs		TOTAL		AVERAGE PARTICIPANTS
2014	39	1,036	71	3,217	110	4,253	39
2015	53	1,344	71	3,595	124	4,939	40
2016	68	837	76	3,952	144	4,789	33
2017	64	592	58	3,162	122	3,754	31
2018	78	867	77	3,301	155	4,168	27
TOTAL	302	4,676	353	17,227	655	21,903	33

E. Summary of Approved Policy Guidelines and Procedures for the Fulfillment of the NEA Statutory Obligations under RA 10531 and its IRR

In accordance with the expanded powers and functions under Section 5 of RA 10531 and Section 5 of its IRR the following guidelines were formulated and have been approved by the NEA BOA to ensure fulfillment of the NEA's mandate and provide guidance and directions to the electric cooperatives to improve their performance to the highest efficiency level and success in the implementation of plans, programs and targets.

There were 21 policies and guidelines including some amendments from previously approved directives and issuances confirmed and approved by the NEA Board of Administrators in 2018.

	Policy/Guidelines	Date Published
1	Policy Guidelines on the Implementation of Sitio Electrification Program Phase 2 – Grid Connection	03 January 2018
2	Amendments to the 2014 Guidelines in the Conduct of District Elections for ECs	19 January 2018
3	Amendments to the NEA Administrative Rules of Procedures of 2013	19 January 2018
4	Revised Policy Guidelines on the Conduct of Examination and Interview for Applicants to the Position of the General Managers of ECs	24 January 2018
5	Revised Retirement Plan for General Managers of Electric Cooperatives - 3 rd Revision	24 January 2018
6	Revised 2018 Salary Scale for EC Employees in Four Tranches	24 January 2018
7	Enhanced EC Overall Performance Assessment Criteria	25 January 2018
8	NEA Equipment and Materials Price Index 2018	08 February 2018
9	Policy Guidelines on Granting of Incentives to Outgoing Members of the Board of Directors	28 February 2018
10	Policy Amending NEA Memorandum No. 2015 007 on Revised Guidelines on Benefits, Allowances and Incentives of Electric Cooperative Officials and Employees	28 February 2018
11	Representation, Travelling Allowance and Per Diems of Members of the Task Force	28 February 2018
12	Revisions on the Enhanced EC Overall Performance Assessment Criteria and EC Classification	20 March 2018
13	Policy on Electric Cooperative Customer Satisfaction Survey	26 March 2018
14	Policy on Assignment of Acting General Manager and/or Project Supervisor to Electric Cooperative	26 March 2018
15	Amendment to NEA Memorandum No. 2018-001 on Policy Guidelines on the Implementation of Sitio Electrification Program Phase 2 – Grid Connection	25 April 2018

16	Guidelines for the Deferment of District Elections due to the 2018 Barangay Elections and the 2019 National and Local Elections; and Guidelines in the Candidacy of EC Officials and Employees	02 May 2018
17	Amendment to NEA Memorandum No. 2018-027	01 August 2018
18	System Procedure in the Implementation of the NEA – Business Intelligence Technology (NEA-BIT)	06 August 2018
19	Standard Joint Pole Agreement and Pole Rental Rate	30 August 2018
20	Revised Guidelines for the Selection of and Appointment of NEA Representatives to the Electric Cooperative Board of Directors	24 October 2018
21	Implementing Rules and Regulations of RA No. 11039 also known as the ECs’ Emergency and Resiliency Fund Act	19 December 2018

F. Renewable Energy Development

Fourth of the NEA’s 7-point agenda is the “Carrying out Rural Development Program thru Rural Electrification Program”, and one of the plans is the exploration and development of Renewable Energy. The development of renewable energy-based resources is one of the major strategies to accelerate rural electrification program; and as an initiative to continuously implement efficient energy conservation measures. Relative to this, the following are the NEA’s activities to achieve these goals:

I. Subsidized Renewable Energy Projects

a. Expanded Household Electrification Program (Expanded HHEP)

The NEA has allotted PhP 154 million for the Expanded HHEP. Targeted was electrification of 5,000 household in the most dispersed and isolated areas using 50Wp Solar Home System (SHS) units. At present, NEA is in the process of evaluating EC candidates, prioritizing those with low level of electrification. The project is planned to be completed by the end of 2019.

b. Expanded Sitio Electrification Program (Expanded SEP)

The project covers the Conduct of Feasibility Study on Mini-Grid System with Renewable Energy source which has a budget allocation of PhP 44 million. The feasibility study is on the use of renewable energy to provide electricity to off-grid areas for six (6) electric cooperatives (ECs). The project is planned to be completed by the end of 2019.

II. Assisted Project under TOSHIBA (Philippines), Inc.

Feasibility Study for the Development of Hydrogen Energy System

Hydrogen Technology (H2One) Solution provides a one-stop solution for three hydrogen processes. It uses renewable energy to produce hydrogen which can be stored in Fuel Cell Technology.

Toshiba and NEA already signed the Memorandum of Understanding in October 2018 and is now in the process of identifying possible pilot project in the island of Ayoke, Surigao del Sur under the franchise of SURSECO II.

III. Assisted Project under the National Economic and Development Authority (NEDA)

Feasibility Study for the Hybridization of Existing Diesel Power Plants with Renewable Energy and Battery

The study aims to evaluate potential hybridization of existing diesel power plants with renewable energy (solar, wind, hydro) and battery in the island grids and missionary areas of Eastern Visayas (Region VIII). It also intends to lay the groundwork for the implementation of viable power plants projects by ECs that are willing to take over the off-grid generation function of NPC-SPUG. To achieve these goals, value/options analysis and assessment of costs and risks will be undertaken on what hybridization scheme is the most economical and cost effective option.

The feasibility study started in December 2018 through a joint venture of Engineering and Development Corporation of the Philippines (EDCOP) and Tractebel. Plan for site visits will commence in January 2019.

IV. Assisted Projects under the European Union – Access to Sustainable Energy Programme (EU-ASEP)

a. Solar PV Mainstreaming (PVM) Program

The Solar PV Mainstreaming Program (PVM) is one of the components of the European-Union Access to Sustainable Energy Programme (EU-ASEP). The target is the installation of individual solar home systems (SHS) to dispersed households in the remote and off-grid areas for a fixed monthly tariff approved by the ERC.

As of December 2018, Window 1 target of 10,000 Solar Home System pilot projects have been completed/installed and verified in four (4) ECs.

ECs	Completed/Installed (HH)	Energized (HH)
COTELCO	2,500	2,460
DASURECO	2,500	2,360
SOCOTECO II	2,500	2,291
SUKELCO	2,500	2,387
TOTAL	10,000	9,498

b. Rural Network Solar (RNS)

Another component under EU-ASEP is the “Rural Network Solar” (RNS). It aims to develop small - grid connected solar PV power plants to be installed in cooperation with the private sector in areas close to ECs distribution substations.

The program provides subsidy of 7M Euro or Php420 million for seven (7) projects at 1 Million Euro or Php 63.86M per EC. In this project, the ECs will shoulder 30% (maximum) as equity and secure Certificate of Registration (COR) for Own-Use.

The Technical Working Group (RNS-TWG) has set the following criteria in the selection of program beneficiaries: power supply deficiency, availability of land (at least 1.2 ha) beside or near the substation, vulnerability to risks/disasters, generation cost of electricity and strong commitment of the beneficiaries.

Seven (7) ECs out of 31 were chosen as the potential beneficiaries. These were BENECO, INEC, PANELCO I, SAMELCO I, SAMELCO II, SOCOTECO II and SUKELCO. The ECs are in the process of securing a service contract.

c. Renewable Energy for Rural Electrification (RE4RE)

NEA in collaboration with the EU-ASEP through World Bank (WB) upholds the implementation of a GIS-Based Web Portal through RE4RE/Sitio-Lab Project.

The Renewable Energy for Rural Electrification (RE4RE) is designed to assist the ECs in preparing fact based total household electrification plans. RE4RE and Sitio-Lab components include mapping of the location of all un-energized households within 500 meters from the grid, design connection of all households to grid/mini-grid solar home system, load-flow modeling to

optimize conductor size required and system voltage, select optimum solution for each household, and explore innovations for low cost electrification. On September 26 to 27, 2018, World Bank representatives conducted a workshop to participants from NORSAMELCO, FIBECO, ZAMSURECO I, SOCOTECO II AND COTELCO. The benefactors discussed house mapping and network layout including analysis of results among ECs.

d. Assisted Renewable Energy Hybrid Projects

Hybrid renewable energy system is a stand-alone power system suitable in the electrification of remote areas. This technology consists of two (2) or more renewable energy source use to provide increased system efficiency and greater balance of energy supply. The NEA with the EC and financial institutions collaborated to implement this project.

In 2018, the projects completed were the 50 Kw Solar-Diesel Hybrid System in Higatangan Island in Biliran, 50 Kw Solar-Diesel Hybrid System in Malalison Island in Antique and the 900Kw wind power in Romblon Island.

V. Information, Education and Communication Campaign

The NEA continued to conduct series of Information Education and Communication (IEC) Campaign to capacitate and enable the Electric Cooperatives to adhere to the implementing rules, policy and guidelines on Renewable Energy programs.

- **Seminar - Workshops on Net-Metering Program**

These workshops help ECs gain understanding on solar rooftop installations, and other RE technologies under the net-metering scheme and its implications to technical and administrative processes. Through this seminar-workshop, ECs will be enabled to implement their own net-metering implementation plans.

For 2nd semester, a workshop for 30 participants was conducted in CASURECO I on October 18 to 19, 2018.

- **Simplified Planning Tool (SPT) of Renewable Energy –Diesel Hybrid System and Design of Utility Scale Solar PV**

Simplified Planning Tool (SPT) of Renewable Energy-Diesel Hybrid System Program is designed for island communities and is meant to provide a systematic approach on how to assess and develop RE-diesel hybrid applications. This aims to guide interested RE developers and the Electric Cooperatives (ECs) in the planning process of technically sound and commercially viable hybrid schemes.

For 2nd semester, there were two workshops conducted for this purpose. The first school transpired on July 25 to 27, 2018 with 52 participants from Regions III, IV and V while the second school was done for Regions VI, VII and VIII on September 3 to 6, 2018 with 39 participants.

G. Status of ECs under Private Sector Participation and Assistance and Recommendation for Ailing ECs

1. Status of ECs Under Private Sector Participation

There are three (3) electric cooperatives under the private sector participation. First is ALECO with a twenty-five (25) - year Concession Agreement (CA) with San Miguel Energy Corporation (SMEC) which assigned the CA to its subsidiary Albay Electric Power Company; second is PELCO II with twenty (20) - year Investment Management Contract (IMC) with COMSTECH and Manila Electric Company; and third is ZAMCELCO whose IMC was awarded to Crown Investment Holdings, Inc..

APEC/ALECO

Third Quarter:

Findings of the evaluation of APEC/ALECO during the third quarter of 2018 showed that the level of system loss was still at 23.08% far higher than the set cap of 12%. This resulted to high cost of power purchased at 95.16% of the total operating revenue and accumulated net loss of PhP 861.66 million. Moreover, collection efficiency of 79% was also way below the standard of 95%. As of September 2018, the EC has a total payables of PhP 2.04 million to its power suppliers.

On August 20, 2018, an Interim Board of Directors was created under NEA Office Order No. 2018-185 which officially assumed office on November 9, 2018. The Operation Improvement Plan submitted on June 20, 2018 was approved by the NEA on September 18, 2018.

To improve power quality and reduce system loss, the NEA pushed APEC/ALECO to fast track the utilization of 20MVA power transformer from Washington substation and to upgrade primary lines to 4/0 ACSR. They should also intensify Anti-Pilferage Campaign.

Fourth quarter:

NEA recommended to conduct election for the regular Board of Directors (BOD) of ALECO and to monitor and ensure compliance of the concessionaire to the agreement entered by both parties.

PELCO II

Third Quarter:

PELCO II sustained its operating performance as Yellow 1 EC for the three (3) quarters of 2018. Financial performance showed a net margin of PhP 75.69 million, collection efficiency retained in 100% level and system loss was within the standard cap and even improved to 10.93% from 11.45%.

ZAMCELCO

Third Quarter:

A Stakeholders' Meeting was conducted on August 10, 2018, agenda was the possible NEA intervention on the EC operation and management to address challenges and critical issues of ZAMCELCO.

On August 16, 2018, pursuant to Section 6 of RA 10531 and by reason of the clamor for NEA's intervention by the stakeholders and local leaders, NEA created Task Force Duterte-Zamboanga City Power.

Bid was pursued and opening and evaluation was conducted on August 30, 2018, the highest bid was of Crown Investment Holdings, Inc. and DESCO, Inc. with PhP2.5 billion. The ZAMCELCO Board passed Resolution No. 100 series of 2018, awarding the Investment Management Contract (IMC) to Crown Investment Holdings, Inc. and DESCO, Inc. The award was passed and approved by the member-consumers on September 11, 2018 through a Special General Membership Assembly.

Fourth Quarter:

The NEA Board of Administrators on October 5, 2018 passed Resolution No. 5, approving the request for confirmation of the conditional award to Crown Investment Holdings, Inc. to handle the IMC for ZAMCELCO. Subsequently, Resolution No. 6 approving the deactivation of the BOD of ZAMCELCO was also passed.

On November 5, 2018, Task Force Duterte - Zamboanga City Power formulated and submitted a 90-day plan on areas that need immediate action and intervention.

2. Assistance and Recommendations for Ailing Electric Cooperatives

There are 10 ECs which were classified as ailing or under-performing but to date, only eight (8) were assessed as Red. PELCO III and CASURECO III improved to Yellow 1 and Yellow 2, respectively.

Assessments results revealed that besides issues on governance and leadership which can be resolved by policies and right planning and decision making, uncontrolled factors affected the operations of these electric cooperatives. These include the geographical characteristics of the franchise area like terrain, isolated islands, dispersed potential consumers and hard to enter locality; plus their unique culture, religious belief, existence of ancestral domain, among others.

Generally, there are initiatives that the NEA implemented to improve the operation and performance of these ECs, as follow:

- Creation of Task Force Duterte and Management Teams
- Designation of Acting General Managers and Project Supervisors
- AGM and PS requirement to submit individual scorecard on their plans and programs
- Conduct of comprehensive audit (financial, technical and institutional) and recommends resolutions to improve their operations and performance
- Organization of new and interim Board of Directors
- Assistance in the formulation of Operation Improvement Plan (OIP) for ailing ECs or Strategic Development Plan (SDP) for Yellow 2 ECs
- Monitoring and evaluation of the EC accomplishments in relation to OIP or SDP
- Coordination meeting with stakeholders, among others.

On the other hand, the electric cooperatives continue to execute the following:

- Anti-Pilferage Campaign
- Disconnection of delinquent consumers
- Replacement of defective and inoperative meters
- Continuous right of way clearing
- Hot spot correction of distribution line system
- Rehabilitation of old and dilapidated primary lines
- Replacement of overloaded distribution transformers
- Pole clustering

Below are the three (3) years status of operations of the under-performing or ailing ECs including NEA recommendations and EC action plans to continuously improve their performance.

1. APEC-ALECO

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	46	45	44
Overall Performance Rating	-	D	D
Size Classification	-	Mega Large	Mega Large
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	69	66	66
Total Operating Revenue (PhP M)	2,292	2,845	2,814
Average Revenue per Month (PhP M)	255	237	235
Net Margin (Loss) (PhP M)	16.20	(2.99)	(462.13)
Collection Efficiency (%)	78	77	70
Loan Amortization Payment Repayments Rate (%)	Arrears 19	Arrears 19	Arrears 20
Power Accounts – NGCP Power Accounts – GENCO	Arrears Res-Arrears	Arrears Res-Arrears	Arrears Arrears
Peak Load (Mw)	85	81	77
System Loss (%)	23.08	24.79	28.71
Consumer Density per Circuit Km of Lines	47	46	59

Action Plans:

- a. Conduct massive big load metering inspection/correction and cluster metering of residential consumers in the whole coverage area.
- b. Put up additional substations or acquire new power transformers to relieve the overloaded substations and to improve power quality, prevent damage to appliances and equipment and reduce system loss.

2. PELCO III

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	37	36	35
Overall Performance Rating	-	C	C
Size Classification	-	Mega Large	Extra Large
Color Classification	Yellow 1	Yellow 2	Red
Level of Consumer Connections (%)	97	88	86
Total Operating Revenue (PhP M)	1,155	1,361	1,214
Average Revenue per Month (PhP M)	128	113	101
Net Margin (Loss) (PhP M)	21.85	8.77	40.49
Collection Efficiency (%)	70	69	64
Loan Amortization Payment Repayments Rate (%)	Current 104	Current 107	Current 109
Power Accounts – NGCP Power Accounts – GENCO	Current Res-Arrears	Current Res-Arrears	Current Res-Arrears
Peak Load (Mw)	37	40	38
System Loss (%)	11.91	14.12	17.56
Consumer Density per Circuit Km of Lines	47	58	59

Action Plan:

- a. Put up additional substations or acquire power transformers to relieve overloaded areas.

3. ABRECO

PARTICULARS	3Q,2018	2017	2016
No. of Years in Existence	46	45	44
Overall Performance Rating	-	D	D
Size Classification	-	Extra Large	Large
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	94	88	86
Total Operating Revenue (PhP M)	316	260	504
Average Revenue per Month (PhP M)	35	22	42
Net Margin (Loss) (PhP M)	5.11	21.18	37.04
Collection Efficiency (%)	-	-	-
Loan Amortization Payment Repayments Rate (%)	Arrears 45	Arrears 44	Arrears 47
Power Accounts – NGCP	Arrears	Arrears	Arrears
Power Accounts – GENCO	-	Res-Arrears	Res-Arrears
Peak Load (Mw)	12	10	9
System Loss (%)	12.26	17.47	14.18
Consumer Density per Circuit Km of Lines	40	38	32

Action Plans:

- a. Conduct massive big load metering inspection/correction and cluster metering of residential consumers in its coverage area.
- b. Fast track construction of Dolores substation to augment the lone 15 MVA substation.

4. CASURECO III

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	43	42	41
Overall Performance Rating	-	C	D
Size Classification	-	Extra Large	Extra Large
Color Classification	Yellow 2	Red	Red
Level of Consumer Connections (%)	82	80	78
Total Operating Revenue (PhP M)	680	787	763
Average Revenue per Month (PhP M)	76	66	64
Net Margin (Loss) (PhP M)	42.95	39.96	50.13
Collection Efficiency (%)	91	88	85
Loan Amortization Payment Repayments Rate (%)	Current 102	Current 101	Arrears 17
Power Accounts – NGCP	Current	Current	Current
Power Accounts – GENCO	Res-Arrears	Res-Arrears	Res Arrears
Peak Load (Mw)	23	20	20
System Loss (%)	15.51	15.01	19.23
Consumer Density per Circuit Km of Lines	38	47	46

Action Plans:

- a. Inspection and corrections of big load consumers, replacement of defective meters and rehabilitation/upgrading of electric distribution system.
- b. Entry into a deal with the Development Bank of the Philippines (DBP) of buying out from EC's indebtedness to PSALM with collegial credit terms.
- c. Proposal to have a lean and mean Organizational Structure, promotion of Cooperative image building, well informed member-consumer-owners to encourage participation in the EC activities.

5. MASELCO

PARTICULARS	3Q,2018	2017	2016
No. of Years in Existence	41	40	39
Overall Performance Rating	-	D	D
Size Classification	-	Extra Large	Extra Large
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	51	49	46
Total Operating Revenue (PhP M)	210	614	552
Average Revenue per Month (PhP M)	23	51	46
Net Margin (Loss) (PhP M)	3.48	(33.82)	(66.83)
Collection Efficiency (%)	88	89	90
Loan Amortization Payment Repayments Rate (%)	Current 100	Current 102	Current 101
Power Accounts – NGCP	-	-	-
Power Accounts – GENCO	Res-Arrears	Res-Arrears	Res-Arrears
Peak Load (Mw)	19	-	18
System Loss (%)	14.56	15.39	20.91
Consumer Density per Circuit Km of Lines	30	28	32

Action Plans:

- a. Coordination with DMPC on its plan to address the problem on power reliability.
- b. Upgrading of substation to be undertaken by NPC
- c. Installation of substations

6. TISELCO

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	34	33	32
Overall Performance Rating	-	C	C
Size Classification	-	Medium	Medium
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	73	65	60
Total Operating Revenue (PhP M)	19.46	85.20	75.17
Average Revenue per Month (PhP M)	2.16	7.10	6.26
Net Margin (Loss) (PhP M)	3.55	18.39	5.04
Collection Efficiency (%)	88	77.17	-
Loan Amortization Payment	Current	Current	Arrears
Repayments Rate (%)	105	105	-
Power Accounts – NGCP	-	-	-
Power Accounts – GENCO	Res-Current	Res-Current	Res-Current
Peak Load (Mw)	2.3	2.2	1.9
System Loss (%)	14.23	14.08	18.16
Consumer Density per Circuit Km of Lines	21	23	23

Action Plan:

- a. Continuous right of way clearing, load balancing and grounding to improve electric distribution system and further reduce level of system loss

7. BASELCO

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	43	42	41
Overall Performance Rating	-	D	D
Size Classification	-	Large	Large
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	52	52	51
Total Operating Revenue (PhP M)	109	218	202
Average Revenue per Month (PhP M)	12	18	17
Net Margin (Loss) (PhP M)	(32.13)	(48.26)	(67.83)
Collection Efficiency (%)	58	-	55
Loan Amortization Payment	Arrears	Arrears	Arrears
Repayments Rate (%)	5	5	5
Power Accounts – NGCP	-	-	-
Power Accounts – GENCO	Arrears	Arrears	Arrears
Peak Load (Mw)	10	7	7
System Loss (%)	34.73	32.34	30.51
Consumer Density per Circuit Km of Lines	32	32	31

Action Plan:

- a. Request approval of NEA for a special arrangement of its outstanding loan balances and to authorize the OIC-GM and the BOD President to sign all required documents to support this request.

8. TAWELCO

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	44	43	42
Overall Performance Rating	-	D	D
Size Classification	-	Medium	Medium
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	22	21	21
Total Operating Revenue (PhP M)	50.72	150.53	144.29
Average Revenue per Month (PhP M)	6	13	12
Net Margin (Loss) (PhP M)	(31.87)	(110.25)	(107.03)
Collection Efficiency (%)	33	33	31
Loan Amortization Payment	Current	Current	Arrears
Repayments Rate (%)	104	103	53
Power Accounts – NGCP	-	-	-
Power Accounts – GENCO	Arrears	Arrears	Arrears
Peak Load (Mw)	6	6	5
System Loss (%)	33.39	30.02	29.12
Consumer Density per Circuit Km of Lines	40	40	41

Action Plan:

- a. Implementation of a project to replace 5,000 unserviceable kWh meters funded by the approved loan from NEA to reduce EC's system loss.

9. SULECO

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	46	45	44
Overall Performance Rating	-	C	D
Size Classification	Large	Large	Large
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	24	23	23
Total Operating Revenue (PhP M)	215	303	255
Average Revenue per Month (PhP M)	24	25	21
Net Margin (Loss) (PhP M)	28.43	18.00	(34.74)
Collection Efficiency (%)	62	40	42
Loan Amortization Payment	Current	Current	Current
Repayments Rate (%)	100	100	100
Power Accounts – NGCP	-	-	-
Power Accounts – GENCO	Arrears	Arrears	Arrears
Peak Load (Mw)	8.7	8.7	8.5
System Loss (%)	25.72	28.96	37.16
Consumer Density per Circuit Km of Lines	33	33	34

Action Done:

- a. SULECO passed a resolution recommending Electrification Projects to the nine (9) island municipalities of Sulu not included in the franchise area of SULECO.

10.LASURECO

PARTICULARS	3Q, 2018	2017	2016
No. of Years in Existence	47	46	45
Overall Performance Rating	-	D	D
Size Classification	-	Extra Large	Extra Large
Color Classification	Red	Red	Red
Level of Consumer Connections (%)	34	34	34
Total Operating Revenue (PhP M)	-	-	491
Average Revenue per Month	-	-	41
Net Margin (Loss) (PhP M)	-	-	(40.06)
Collection Efficiency (%)	-	-	-
Loan Amortization Payment Repayments Rate (%)	Arrears 10	Arrears 11	Arrears 12
Power Accounts – NGCP	Res-Arrears	Res-Arrears	Res-Arrears
Power Accounts – GENCO	Arrears	Arrears	Arrears
Peak Load (Mw)	-	-	27
System Loss (%)	-	-	32.22
Ave. kWh Consumption per Connection/Month			
Consumer Density per Circuit Km of Lines	21	21	21

Action Plans:

- a. Source funds to implement the approved Bangon Marawi Comprehensive Rehabilitation and Recovery Program. The Program provides the strategic interventions for the rehabilitation of areas affected by Marawi conflict and aims to rebuild the lives of affected families, restore damaged properties and resurrect disrupted socio-economic activities.
- b. Pursue acceptability of the member- consumers on the use of pre-paid metering to pilot area. The World Bank (WB) already did the inspection of Marawi to identify possible locations to implement prepaid metering. Further, WB conducted orientation to selected EC employees on the technical aspect of the kWh meter.

**STATUS OF 2018 RURAL ELECTRIFICATION PROGRAM
As of December 2018**

Electric Cooperatives	Sitios	Consumer Connections
Region I		
INEC		3,694
ISECO	11	4,630
LUELCO	11	6,305
PANELCO I	17	2,822
CENPELCO		9,901
PANELCO III		7,995
Sub-total	39	35,347
Region II		
BATANELCO		189
CAGELCO I	17	5,123
CAGELCO II	76	3,663
ISELCO I	15	6,879
ISELCO II		6,570
NUVELCO	19	879
QUIRELCO	15	2,074
Sub-total	142	25,377
CAR		
ABRECO		3,937
BENECO	3	3,353
IFELCO		2,005
KAELCO		1,574
MOPRECO	23	1,343
Sub-total	26	12,212

**STATUS OF 2018 RURAL ELECTRIFICATION PROGRAM
As of December 2018**

Electric Cooperatives	Sitios	Consumer Connections
Region III		
AURELCO	14	2,568
TARELCO I	7	5,997
TARELCO II		4,031
NEECO I	6	3,669
NEECO II - Area 1	10	5,924
NEECO II - Area 2	13	11,779
SAJELCO		1,323
PRESCO		1,078
PELCO I	4	4,560
PELCO II		7,001
PELCO III	3	7,761
PENELCO	7	6,221
ZAMECO I	1	2,926
ZAMECO II		3,341
Sub-total	65	68,179
Region IV-A		
FLECO		2,572
BATELEC I	1	4,012
BATELEC II		13,198
QUEZELCO I	28	4,778
QUEZELCO II	7	3,293
Sub-total	36	27,853
Region IV-B		
LUBELCO		184
OMECO	35	3,872
ORMECO		7,693
MARELCO	18	3,204
TIELCO	2	1,983
ROMELCO	15	662
BISELCO	13	3,181
PALECO	6	5,053
Sub-total	89	25,832

**STATUS OF 2018 RURAL ELECTRIFICATION PROGRAM
As of December 2018**

Electric Cooperatives	Sitios	Consumer Connections
Region V		
CANORECO	17	3,321
CASURECO I	5	4,834
CASURECO II		3,353
CASURECO III	4	2,520
CASURECO IV	8	3,674
ALECO		7,606
SORECO I		1,626
SORECO II	20	3,442
FICELCO	2	1,283
MASELCO		3,278
TISELCO	31	1,810
Sub-total	87	36,747
Luzon	484	231,547
Region VI		
AKELCO	31	42,279
ANTECO	6	5,326
CAPELCO	32	8,117
ILECO I	34	5,574
ILECO II	31	4,650
ILECO III		8,092
GUIMELCO	37	4,643
NONECO	46	7,355
CENECO	7	7,517
NOCECO	6	8,073
Sub-total	230	101,626

STATUS OF 2018 RURAL ELECTRIFICATION PROGRAM
As of December 2018

Electric Cooperatives	Sitios	Consumer Connections
Region VII		
NORECO I	36	3,052
NORECO II	32	6,232
BANELCO		1,946
CEBECO I	28	6,614
CEBECO II		6,349
CEBECO III	5	4,583
PROSIELCO	1	1,333
CELCO	16	1,874
BOHECO I		5,466
BOHECO II	29	6,101
Sub-total	147	43,550
Region VIII		
DORELCO	2	3,211
LEYECO II		5,990
LEYECO III	13	2,214
LEYECO IV	31	5,753
LEYECO V	52	4,477
SOLECO		5,095
BILECO		1,149
NORSAMELCO	13	8,726
SAMELCO I	6	2,935
SAMELCO II	22	3,155
ESAMELCO		3,612
Sub-total	139	46,317
Visayas	516	191,493
Region IX		
ZANECO	36	8,044
ZAMSURECO I	88	7,765
ZAMSURECO II		4,426
ZAMCELCO		4,213
Sub-total	124	24,448

**STATUS OF 2018 RURAL ELECTRIFICATION PROGRAM
As of December 2018**

Electric Cooperatives	Sitios	Consumer Connections
Region X		
MOELCI I		1,848
MOELCI II	4	3,007
MORESCO I	32	5,118
MORESCO II	35	4,169
FIBECO	167	7,129
BUSECO	23	17,940
CAMELCO		1,252
LANECO	8	3,090
Sub-total	269	43,553
Region XI		
DORECO	31	4,581
DANECO	25	11,365
DASURECO	51	8,096
Sub-total	107	24,042
Region XII		
COTELCO	80	9,236
COTELCO-PPALMA	58	1,709
SOCOTECO I	53	15,848
SOCOTECO II	11	13,846
SUKELCO	30	34,489
Sub-total	232	75,128

**STATUS OF 2018 RURAL ELECTRIFICATION PROGRAM
As of December 2018**

Electric Cooperatives	Sitios	Consumer Connections
ARMM		
TAWELCO		775
SIASELCO		0
SULECO	8	376
BASELCO		0
CASELCO	7	0
LASURECO		0
MAGELCO	29	2,621
Sub-total	44	3,772
CARAGA		
ANECO	25	14,721
ASELCO	105	16,283
SURNECO	11	4,509
SIARELCO	12	2,238
DIELCO	6	1,391
SURSECO I	24	3,849
SURSECO II	25	3,824
Sub-total	208	46,815
Mindanao	984	217,758
Total	1,984	640,798

STATUS OF CONSUMER CONNECTIONS
As of 31 December 2018

ELECTRIC COOPERATIVES		Potential (Based on 2015 Census)	Accomplished (To Date)	%	Potential (Based on 2015 Census with Annual Growth Rate)	Accomplished (To Date)	%
REGION I							
1	INEC	139,336	164,550	118	166,882	164,550	99
2	ISECO	157,043	186,836	119	187,807	186,836	99
3	LUELCO	151,415	152,813	101	160,045	152,813	95
4	PANELCO I	90,717	86,546	95	92,153	86,546	94
5	CENPELCO	248,553	249,544	100	255,281	249,544	98
6	PANELCO III	198,382	187,779	95	203,074	187,779	92
	Sub Total	985,446	1,028,068	104	1,065,242	1,028,068	97
REGION II							
7	BATANELCO	4,761	6,290	132	6,305	6,290	99
8	CAGELCO I	143,095	149,022	104	160,156	149,022	93
9	CAGELCO II	140,857	128,174	91	143,947	128,174	89
10	ISELCO I	190,373	215,898	113	218,075	215,898	99
11	ISELCO II	176,779	145,048	82	179,014	145,048	81
12	NUVELCO	111,340	98,066	88	113,080	98,066	87
13	QUIRELCO	47,390	53,375	113	55,426	53,375	96
	Sub-Total	814,595	795,873	98	876,003	795,873	91
CAR							
14	ABRECO	53,062	55,301	104	58,681	55,301	94
15	BENECO	196,825	180,739	92	201,403	180,739	90
16	IFELCO	43,281	44,330	102	48,876	44,330	91
17	KAELCO	56,266	48,927	87	59,348	48,927	82
18	MOPRECO	35,001	40,142	115	41,511	40,142	97
	Sub-Total	384,435	369,439	96	409,819	369,439	90

STATUS OF CONSUMER CONNECTIONS
As of 31 December 2018

ELECTRIC COOPERATIVES		Potential (Based on 2015 Census)	Accomplished (To Date)	%	Potential (Based on 2015 Census with Annual Growth Rate)	Accomplished (To Date)	%
REGION III							
19	AURELCO	50,641	55,807	110	57,446	55,807	97
20	TARELCO I	165,718	177,886	107	179,668	177,886	99
21	TARELCO II	107,007	120,371	112	122,415	120,371	98
22	NEECO I	88,363	97,410	110	98,379	97,410	99
23	NEECO II-Area I	143,447	133,917	93	144,806	133,917	92
24	NEECO II-Area II	129,340	118,512	92	128,807	118,512	92
25	SAJELCO	32,769	35,349	108	35,350	35,349	99
26	PRESCO	20,440	23,302	114	23,743	23,302	98
27	PELCO I	95,290	114,039	120	114,060	114,039	99
28	PELCO II	174,539	177,378	102	183,078	177,378	97
29	PELCO III	76,275	82,270	108	84,702	82,270	97
30	PENELCO	175,525	196,624	112	200,312	196,624	98
31	ZAMECO I	64,292	68,153	106	70,597	68,153	97
32	ZAMECO II	77,625	86,832	112	86,845	86,832	99
	Sub-Total	1,401,271	1,487,850	106	1,530,208	1,487,850	97
REGION IV -A							
33	FLECO	67,783	70,862	105	73,942	70,862	96
34	BATELEC I	164,379	178,745	109	179,306	178,745	99
35	BATELEC II	281,774	316,195	112	322,239	316,195	98
36	QUEZELCO I	212,055	179,584	85	216,213	179,584	83
37	QUEZELCO II	51,242	41,080	80	51,766	41,080	79
	Sub-Total	777,233	786,466	101	843,466	786,466	93
MIMAROPA							
38	LUBELCO	7,198	8,325	116	9,096	8,325	92
39	OMECO	104,516	81,432	78	104,516	81,432	78
40	ORMECO	190,763	214,399	112	221,621	214,399	97
41	MARELCO	54,508	58,367	107	58,628	58,367	99
42	TIELCO	41,309	43,284	105	43,928	43,284	99
43	ROMELCO	23,534	24,869	106	25,372	24,869	98
44	BISELCO	24,585	18,221	74	24,585	18,221	74
45	PALECO	232,705	140,016	60	239,523	140,016	58
	Sub-Total	679,118	588,913	87	727,269	588,913	81

STATUS OF CONSUMER CONNECTIONS
As of 31 December 2018

ELECTRIC COOPERATIVES		Potential (Based on 2015 Census)	Accomplished (To Date)	%	Potential (Based on 2015 Census with Annual Growth Rate)	Accomplished (To Date)	%
REGION V							
46	CANORECO	129,833	119,454	92	136,298	119,454	88
47	CASURECO I	92,690	84,988	92	93,294	84,988	91
48	CASURECO II	127,180	124,734	98	136,719	124,734	91
49	CASURECO III	95,788	80,164	84	97,503	80,164	82
50	CASURECO IV	79,951	66,251	83	79,951	66,251	83
51	ALECO	277,127	190,303	69	277,127	190,303	69
52	SORECO I	70,761	81,198	115	81,220	81,198	99
53	SORECO II	96,092	93,652	97	98,687	93,652	95
54	FICELCO	53,814	57,426	107	59,463	57,426	97
55	MASELCO	147,642	76,428	52	148,530	76,428	51
56	TISELCO	21,362	15,688	73	21,362	15,688	73
	Sub-Total	1,192,240	990,286	83	1,230,154	990,286	81
	LUZON	6,234,338	6,046,895	97	6,682,161	6,046,895	90
REGION VI							
57	AKELCO	145,143	177,907	123	182,538	177,907	97
58	ANTECO	118,348	114,255	97	127,601	114,255	90
59	CAPELCO	180,098	173,154	96	192,512	173,154	90
60	ILECO I	156,879	159,835	102	164,920	159,835	97
61	ILECO II	157,115	132,105	84	157,164	132,105	84
62	ILECO III	121,729	96,420	79	121,729	96,420	79
63	GUIMELCO	40,575	36,885	91	40,575	36,885	91
64	NONECO	197,125	164,080	83	200,450	164,080	82
65	CENECO	245,468	231,764	94	264,622	231,764	88
66	NOCECO	259,057	196,149	76	259,057	196,149	76
	Sub-Total	1,621,537	1,482,554	91	1,711,168	1,482,554	87
REGION VII							
67	NORECO I	133,402	85,430	64	133,402	85,430	64
68	NORECO II	177,271	161,300	91	193,308	161,300	83
69	BANELCO	33,386	33,070	99	33,442	33,070	99
70	CEBECO I	153,764	153,324	100	157,147	153,324	98
71	CEBECO II	175,095	167,988	96	179,430	167,988	94
72	CEBECO III	93,972	107,260	114	107,406	107,260	99
73	PROSIELCO	22,737	27,635	122	27,650	27,635	99
74	CELCO	24,138	24,688	102	25,703	24,688	96
75	BOHECO I	129,361	168,897	131	168,985	168,897	99
76	BOHECO II	137,291	144,173	105	152,729	144,173	94
	Sub-Total	1,080,417	1,073,765	99	1,179,202	1,073,765	91

STATUS OF CONSUMER CONNECTIONS
As of 31 December 2018

ELECTRIC COOPERATIVES		Potential (Based on 2015 Census)	Accomplished (To Date)	%	Potential (Based on 2015 Census with Annual Growth Rate)	Accomplished (To Date)	%
REGION VIII							
77	DORELCO	98,154	73,264	75	98,154	73,264	75
78	LEYECO II	72,385	70,911	98	72,385	70,911	98
79	LEYECO III	63,047	57,216	91	63,772	57,216	90
80	LEYECO IV	66,708	82,456	124	82,475	82,456	99
81	LEYECO V	155,970	123,744	79	155,970	123,744	79
82	SOLECO	92,803	106,672	115	107,344	106,672	99
83	BILECO	36,850	36,219	98	38,233	36,219	95
84	NORSAMELCO	126,562	80,880	64	126,562	80,880	64
85	SAMELCO I	70,576	65,040	92	72,791	65,040	89
86	SAMELCO II	94,710	82,811	87	94,933	82,811	87
87	ESAMELCO	105,804	97,721	92	107,684	97,721	91
	Sub-Total	983,569	876,934	89	1,020,303	876,934	86
	VISAYAS	3,685,523	3,433,253	93	3,910,673	3,433,253	88
REGION IX							
88	ZANECO	195,790	123,662	63	195,790	123,662	63
89	ZAMSURECO I	201,273	135,877	68	201,273	135,877	68
90	ZAMSURECO II	191,911	127,021	66	194,127	127,021	65
91	ZAMCELCO	188,746	142,620	76	188,746	142,620	76
	Sub-Total	777,720	529,180	68	779,936	529,180	68
REGION X							
92	MOELCI I	54,018	62,168	115	64,717	62,168	96
93	MOELCI II	78,527	90,224	115	90,893	90,224	99
94	MORESCO I	87,651	97,176	111	100,327	97,176	97
95	MORESCO II	94,638	81,264	86	95,298	81,264	85
96	FIBECO	186,153	158,475	85	186,266	158,475	85
97	BUSECO	124,003	116,249	94	129,330	116,249	90
98	CAMELCO	20,080	23,800	119	23,815	23,800	99
99	LANECO	126,178	99,186	79	132,675	99,186	75
	Sub-Total	771,248	728,542	94	823,321	728,542	88

STATUS OF CONSUMER CONNECTIONS
As of 31 December 2018

ELECTRIC COOPERATIVES		Potential (Based on 2015 Census)	Accomplished (To Date)	%	Potential (Based on 2015 Census with Annual Growth Rate)	Accomplished (To Date)	%
REGION XI							
100	DORECO	128,574	109,270	85	132,936	109,270	82
101	DANECO	311,782	207,541	67	311,782	207,541	67
102	DASURECO	236,227	177,892	75	244,919	177,892	73
	Sub-Total	676,583	494,703	73	689,637	494,703	72
REGION XII							
103	COTELCO	199,130	165,499	83	205,935	165,499	80
104	COTELCO P-PALMA	121,437	66,495	55	121,437	66,495	55
105	SOCOTECO I	177,621	134,629	76	179,886	134,629	75
106	SOCOTECO II	322,068	211,718	66	322,068	211,718	66
107	SUKELCO	198,049	152,003	77	202,160	152,003	75
	Sub-Total	1,018,305	730,344	72	1,031,486	730,344	71
ARMM							
108	TAWELCO	62,321	13,597	22	62,321	13,597	22
109	SIASELCO	17,162	4,258	25	17,162	4,258	25
110	SULECO	116,930	27,742	24	116,930	27,742	24
111	BASELCO	87,041	45,288	52	87,041	45,288	52
112	CASELCO	5,208	3,155	61	5,208	3,155	61
113	LASURECO	164,347	56,475	34	164,347	56,475	34
114	MAGELCO	151,877	51,528	34	151,877	51,528	34
	Sub-Total	604,886	202,043	33	604,886	202,043	33
CARAGA							
115	ANECO	153,857	181,538	118	184,984	181,538	98
116	ASELCO	153,653	165,862	108	172,277	165,862	96
117	SURNECO	83,285	92,991	112	94,288	92,991	99
118	SIARELCO	25,529	34,362	135	34,391	34,362	99
119	DIELCO	28,557	27,876	98	31,298	27,876	89
120	SURSECO I	56,333	79,804	142	79,820	79,804	99
121	SURSECO II	73,124	79,897	109	82,641	79,897	97
	Sub-Total	574,338	662,330	115	679,699	662,330	97
	MINDANAO	4,423,080	3,347,142	76	4,608,965	3,347,142	73
	GRAND TOTAL	14,342,941	12,827,290	89	15,201,799	12,827,290	84

Subsidy Releases July-December 2018

REGION	AMOUNT in Pesos
I	47,378,141.78
ISECO	7,738,334.70
LUELCO	15,733,333.94
PANELCO I	23,906,473.14
II	46,022,339.39
BATANELCO	6,684,464.47
CAGELCO I	21,845,909.31
CAGELCO II	681,450.63
QUIRELCO	16,810,514.98
CAR	51,749,132.22
ABRECO	5,189,245.24
BENECO	41,958,896.73
IFELCO	3,066,264.83
KAELCO	1,534,725.42
III	55,812,395.87
AURELCO	3,321,959.69
NEECO I	10,067,730.10
NEECO II A1	5,280,736.78
NEECO II A2	16,111,224.07
PELCO I	3,752,789.64
PELCO III	3,540,909.99
TARELCO I	11,406,414.98
ZAMECO I	2,330,630.62
IV-A	42,128,009.43
BATELEC II	8,890,640.81
QUEZELCO I	29,782,126.56
QUEZELCO II	3,455,242.06
MIMAROPA	215,493,611.82
MARELCO	81,392,391.01
OMEKO	28,812,317.35
ORMECO	29,964,533.29
PALECO	69,232,350.64
ROMELCO	3,939,769.51
TIELCO	2,152,250.02

Subsidy Releases July-December 2018

REGION	AMOUNT in Pesos
V	149,668,781.44
ALECO	10,288,670.68
CANORECO	21,916,342.23
CASURECO I	9,466,288.77
CASURECO II	3,751,143.18
CASURECO III	14,456,440.91
CASURECO IV	15,613,079.79
FICELCO	32,114,866.86
MASELCO	2,081,927.97
SORECO II	32,192,780.02
TISELCO	7,787,241.03
VI	236,946,759.67
AKELCO	1,554,935.47
ANTECO	46,179,156.03
CAPELCO	40,880,365.63
CENECO	12,582,362.28
ILECO I	21,562,965.68
ILECO II	29,562,701.34
ILECO III	16,803,524.33
NOCECO	36,487,399.32
NONECO	31,333,349.59
VII	355,091,954.72
BANELCO	79,925,682.46
BOHECO II	10,343,110.59
CEBECO I	26,776,245.89
CEBECO II	9,020,414.89
CEBECO III	41,948,793.83
CELCO	18,561,240.86
NORECO I	56,963,862.61
NORECO II	111,552,603.59

Subsidy Releases July-December 2018

REGION	AMOUNT in Pesos
VIII	143,610,132.85
BILECO	20,687,797.14
DORELCO	6,753,011.55
ESAMELCO	18,787,859.13
LEYECO III	14,544,805.79
LEYECO IV	10,419,411.20
LEYECO V	32,197,779.94
NORSAMELCO	12,102,621.55
SAMELCO I	3,257,606.43
SAMELCO II	12,711,602.34
SOLECO	12,147,637.78
IX	60,477,172.70
ZAMCELCO	15,245,069.13
ZAMSURECO I	1,845,903.11
ZAMSURECO II	328,695.48
ZANECO	43,057,504.98
X	172,056,981.44
BUSECO	1,912,733.59
FIBECO	71,229,595.25
LANECO	29,040,122.57
MOELCI II	7,995,237.23
MORESCO I	42,691,508.12
MORESCO II	19,187,784.68
XI	190,213,331.15
DANECO	118,234,963.28
DASURECO	45,856,778.45
DORECO	26,121,589.42
XII	290,420,587.14
COTELCO	171,300,591.01
COTELCO-PPALMA	71,286,202.24
SOCOTECO I	25,746,588.89
SOCOTECO II	1,864,222.02
SUKELCO	20,222,982.98

Subsidy Releases July-December 2018

REGION	AMOUNT in Pesos
ARMM	77,844,172.85
MAGELCO	53,398,438.68
SIASELCO	11,376,829.91
SULECO	13,068,904.26
CARAGA	337,950,757.28
ANECO	50,924,790.52
ASELCO	191,754,669.76
DIELCO	6,076,154.56
SIARELCO	8,631,397.17
SURNECO	12,456,350.57
SURSECO I	37,761,981.07
SURSECO II	30,345,413.63
Grand Total	2,472,864,261.74

CAPEX Loans Released to ECs July-December 2018

Electric Cooperatives	Loan Type	Project/s	Amount	Total
Region I				
INEC	FR-Renewable Energy	Rehabilitation of Agua Grande Mini Hyndro Power Plant	65,860,205.71	
INEC	RE-FR	Purchase of new vehicles for operation & maintenance	6,000,000.00	
INEC	RE-FR	For the CAPEX distribution transformer	3,303,050.00	
INEC	RE-FR	Acquisition of secondary service drops	3,554,000.00	
INEC	RE-FR	For metering equipment for new consumers	8,411,816.00	87,129,071.71
Sub-total				87,129,071.71
Region II				
CAGELCO II	RE	Construction of 38.9km lines from Lucban to Sanchez Mira,(4) electric towers located at Lucban bridge & Pamplona bridge & 5/6.25mva s/s at Sanchez Mira (4th rel.)	27,979,800.00	27,979,800.00
Sub-total				115,108,871.71
Region III				
NEECO II-Area 1	RE-FR	Implementation of the emergency procurement of 10mva power x-former for the Quezon S/S	10,629,000.00	
NEECO II-Area 2	RE-WC (Charged to FR)	To finance the retirement of EC's employees based on the approved Special Retirement Plan	30,000,000.00	
ZAMECO I	EUCDRP	Proposed uprating of Iba substation from 10mva to 20mva	6,696,390.00	
ZAMECO II	RE LOAN	Construction of 10mva San Marcelino substation	25,113,760.00	
TARELCO I	RE-FR	Purchase of 2 units load loggers	900,000.00	
TARELCO I	RE-FR	Purcphase of service vehicle	5,052,000.00	

CAPEX Loans Released to ECs July-December 2018

Electric Cooperatives	Loan Type	Project/s	Amount	Total
TARELCO I	RE-FR	Purchase of 27 units of 69kv line Fault Indicator	675,000.00	
TARELCO I	RE-FR	Installation of primary & secondary safety equipment for Paniqui 10mva power transformer	4,709,150.58	
TARELCO I	RE-FR	Installation of secondary safety equipment for Camiling 10mva power transformer	5,305,348.89	
TARELCO I	RE-FR	Advance installation of 10mva substation at Mayantoc town	19,728,062.03	108,808,711.50
Sub-total				223,917,583.21
Region IV-A				
FLECO	RE-FR	For purchase of materials for pole cluster metering with replacement of old/defective kwh meters (balance)	2,566,216.33	2,566,216.33
Sub-total				226,483,799.54
Region IV-B				
OMECCO	RE-FR	Construction of dist. Line rehab-single phase to 3-phase line in Brgy. Ibud to Brgy. San Vicente, Sablayan and retirement of ole lines	1,610,093.85	
OMECCO	RE-FR	2018 Rehabilitation/upgrading facilities	4,618,686.00	
OMECCO	RE-FR	2018 hardware and materials	2,077,452.00	
OMECCO	RE-FR	Fuel requirement with Occidental Mindoro Consolidated Power Corp. (OMCPC)	58,461,731.79	
TIELCO	RE	Construction of TIELCO's Service Center at Sta. Maria	835,000.00	67,602,963.64
Sub-total				294,086,763.18

CAPEX Loans Released to ECs July-December 2018

Electric Cooperatives	Loan Type	Project/s	Amount	Total
Region V				
CANORECO	RE-FR	Uprating of 10mva to 20mva Lag-on substation	5,611,467.45	
CASURECO I	RE-FR	Construction of Collection Center for CAO VI, Pasacao (initial - 50%)	2,000,000.00	
CASURECO I	RE-FR	Construction of Collection Center for CAO VI, Ragao	2,000,000.00	
CASURECO I	RE-FR	Improvement of CASURECO I's warehouse building	1,710,010.50	
CASURECO I	RE-FR	Improvement of CASURECO I's Collection Center for CAO II, Libmanan	2,000,000.00	
CASURECO III	EUCPDRP	Purchase & installation of brand new 10mva power transformer at Iriga City	6,431,985.00	
CASURECO III	EUCDRP	Installatioon of protective equipment & steel structures for Primary & Secondary Lines intended for 7.5mva, Bula substation	2,544,150.00	
CASURECO III	EUCDRP	Procurement & Installation of Brand New 10MVA S/S at Inapatan, Camarines Sur including substation site development	4,534,275.00	
SORECO I	RE-FR	Construction of 12kms 69kv line to Brgy. Lajong, Bulan Load Center	23,287,598.97	
FICELCO	RE LOAN	For NIHE projects	5,359,368.00	55,478,854.92
Sub-total				349,565,618.10
Region VI				
AKELCO	WC-Power Accounts	Settlement of power accounts with Green Core Geothermal Inc.	35,000,000.00	
AKELCO	WC-Power Accounts	Settlement of power accounts with Green Core Geothermal Inc.	30,000,000.00	
ILECO I	RE-FR	Purchase of distribution transformer	16,324,250.00	
ILECO I	RE-FR	Replacement of rotten/dilapidated poles	13,027,841.26	

CAPEX Loans Released to ECs July-December 2018

Electric Cooperatives	Loan Type	Project/s	Amount	Total
ILECO II	EUCDRP	Acquisition of 10mva power transformer for Janiuay s/s at Brgy. Damo-ong Janiuay, Iloilo	9,380,000.00	
ILECO II	EUCDRP	Acquisition of switchgear for Dumangas 15mva s/s at Brgy. Pagduque, Dumangas, Iloilo	10,288,117.70	
ILECO II	EUCDRP	Acquisition of 10MVA Power Transformer for Janiuay s/s at Brgy. Damo-ong Janiuay, Iloilo	4,020,000.00	118,040,208.96
Sub-total				467,605,827.06
Region VII				
BOHECO II	RE-FR	Proposed construction of new office building in Jagna, Bohol	9,705,272.75	9,705,272.75
Sub-total				477,311,099.81
Region IX				
ZAMSURECO II	RE-FR	For liquidation of unexpended subsidy funds (2012-2015 excess SEP/BLEP)	21,166,250.61	
ZANECO	RE-FR	Construction of 5mva Sindangan substation	15,820,000.00	
ZANECO	RE-FR	Construction of 5mva Sindangan substation	6,780,000.00	43,766,250.61
Sub-total				521,077,350.42
Region X				
MORESCO I	GENSETS	Acquisition of Gensets (2nd release)	38,761,875.00	
MORESCO II	GENSETS	Acquisition of 5x2mw modular gensets	21,581,670.25	60,343,545.25
Sub-total				581,420,895.67

CAPEX Loans Released to ECs July-December 2018

Electric Cooperatives	Loan Type	Project/s	Amount	Total
Region XI				
DORECO	RE-FR	Purchase of 10mva power transformer	2,510,000.00	
DORECO	RE-FR	Procurement of 5mva & accessories for Cateel	23,061,405.36	
DASURECO	RE-FR	Purchase of laboratory equipment	4,014,248.00	
DASURECO	RE-FR	Installation of 17 mid-stream feeder protection (recloser)	11,900,000.00	
DASURECO	RE-FR	Distribution transformer rationalization (phase 1)	18,326,000.00	
DANECO	RE LOAN	Purchase of steel poles	10,519,068.00	
DANECO	RE LOAN	Purchase of kwhr meter	10,485,300.00	80,816,021.36
Sub-total				662,236,917.03
Region XII				
SUKELCO	GENSET	Acquisition of 2 units 2x2MW & 2x500 Modular GenSets	32,901,000.00	
SUKELCO	RE-FR	For massive pole replacement	3,806,000.00	
SOCOTECO I	RE-FR	Construction of 10MVA substation & 6.0km 69kv line at Banga, S. Cotabato	11,850,367.89	
SOCOTECO I	RE-FR	Purchase of bucket trucks (1 brand new & 2 surplus)	6,228,000.00	
SOCOTECO I	RE-FR	Purchase of mobile van	3,000,000.00	
COTELCO	RE-FR	For the UB/OS rehabilitation and meter on pole installation	3,002,445.00	
COTELCO	RE-FR	Installation of 5mva substation with 3-feeders at Pob. Antipas	4,109,889.69	
COTELCO	RE-FR	Procurement of distribution transformers	4,197,843.60	69,095,546.18
Sub-total				731,332,463.21

CAPEX Loans Released to ECs July-December 2018

Electric Cooperatives	Loan Type	Project/s	Amount	Total
ARMM				
TAWELCO	CONCESSIONAL	Replacement of defective kwhr meters	5,485,200.00	
TAWELCO	CONCESSIONAL	Security Deposit - Kaltimex Rural Energy Corp. (KREC)	5,000,000.00	10,485,200.00
Sub-total				741,817,663.21
CARAGA				
ASELCO	RE-FR	Upgrading of lines in Prk. 2,Brg.4 to Prk.4, Brgy.2,Sn Francisco,Agusan Sur from single phase to 3phase with a distance of 0.96km	748,431.54	
ASELCO	RE-FR	Upgrading of line in Dona Maxima,Sn Luis,Agusan Sur from single phase to 3phase with a distance of 4.8km	3,275,237.58	
ASELCO	RE-FR	Procurement of AMR kwhr meters	11,304,000.00	
ASELCO	RE-FR	Relocation & upgrading of the 5mva s/s from Crossing Cuevas,Trento to Pob.;Rosario,Agusan Sur with site development	10,792,211.00	
ASELCO	RE-FR	Upgrading of lines in J.C. Aquino St. to Ninoy Aquino Blvd. to Magsaysay, Pob. Prosperidad,Agusan Sur from single phase to 3phase with a dist. of 2.21km	1,796,517.87	
ASELCO	RE-FR	Proposed construction of ASELCO's perimteter fence	463,784.00	28,380,181.99
Total				770,197,845.20

Calamity Loans Released to ECs July-December 2018

Region	# of EC	EC	Typhoon	Amount
X	1	FIBECO	TYPH. VINTA	9,758,879.84
CARAGA	2	SURNECO	TYPH AURING	8,439,499.32
TOTAL				18,198,379.16