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# ANNUAL REPORT

Improving lives,  
Forging development  
Through Rural Electrification



National  
Electrification  
Administration

# Contents



3	<i>Letter to the President</i>	25	<i>Management Assistance</i>
4	<i>Message from the President</i>	26	<i>Corporate and EC Training</i>
5	<i>Message from the DOE Secretary</i>	28	<i>Technical Services</i>
6	<i>Mandate, Vision, Mission, Shared Values, Corporate Credo and Core Values</i>	31	<i>Renewable Energy Development</i>
7	<i>Statement Confirming Full Compliance with the NEA's Manual of Corporate Governance and Adequacy of Internal Control System</i>	33	<i>Electric Cooperative Audit</i>
8	<i>Whistleblowing Program and Complaint Policy of the NEA</i>	34	<i>Legal Services</i>
10	<i>Board of Administrators</i>	35	<i>Internal Audit and Quality Standards Management</i>
12	<i>The Administrator's Report</i>	36	<i>Human Resources Administration and Management</i>
14	<i>Milestone Accomplishments</i>	37	<i>Corporate Planning</i>
16	<i>Independent Auditor's Report</i>	38	<i>Performance Assessment and Special Studies</i>
18	<i>Financial Statements</i>	39	<i>Corporate Communication</i>
20	<i>2016 Performance Scorecard</i>	40	<i>Information Technology and Communication Services</i>
22	<i>Financial Services</i>	42	<i>EC Profile</i>
23	<i>Accounts Management and Guarantee</i>	46	<i>Executive Committee/ Management Committee</i>
24	<i>Institutional Development</i>	48	<i>Assembly of Leaders</i>
		50	<i>Our Partners</i>
		51	<i>Editorial Board</i>



## About the cover

Over the last forty seven years, electricity has linked the lives of about 55 million Filipinos through NEA and the ECs, from Batanes to Tawi-Tawi. The colors of the Philippine flag reflects NEA's continued commitment to service excellence and good governance. Pictured is an Ivatan house in Sabtang, Batanes. Electricity in the Batanes Islands is being distributed by Batanelco. On 24 April 2016, the Philippines' first underground distribution system (UDS) was switched-on in Batan Island in a move to make Batanelco's distribution system more resilient to natural calamities. The UDS project was funded through the government's Barangay Line Enhancement Program (BLEP) being implemented by NEA.

Republic of the Philippines  
**National Electrification Administration**  
Quezon City

June 2017

His Excellency Rodrigo Roa Duterte  
President of the Republic of the Philippines  
Malacañan Palace  
Manila

Dear Mr. President:

I have the honor to submit the Annual Report of the National Electrification Administration for the Year 2016.

Very truly yours,

  
**EDGARDO R. MASONGSONG**  
Administrator



# Message from the President of the Philippines



**MALACAÑANG PALACE**  
Manila



## MESSAGE

*My warmest congratulations to the National Electrification Administration (NEA) on the publication of its 2016 Annual Report.*

*Through the years, NEA has played a crucial role in nation-building by harnessing the potential of electric cooperatives in spurring economic activity and encouraging growth in rural areas.*

*I therefore commend the able men and women of NEA for their exemplary performance in 2016 which was capped by its recent upgrade from ISO 9001:2015 certification - the first national agency to receive such distinction. Your compliance to international standards is proof of your unceasing desire to meet and exceed the growing expectations of consumers.*

*May NEA continue at the forefront of our drive to improve the quality of life of our people through the promotion of sustainable development in the countryside. With your help, I am confident that we can alleviate poverty and empower marginalized communities through efficient and affordable electricity.*

*I wish you all the best in the years ahead.*

  
**RODRIGO ROA DUTERTE**  
Republic of the Philippines



## MESSAGE

*In behalf of the Department of Energy (DOE), I congratulate the National Electrification Administration (NEA) for another very eventful milestone of patriotic and excellent service to our countrymen nationwide.*

*2016 was a historic year that saw the Filipinos' overwhelmingly entrusting their collective future to President Rodrigo Duterte who has embarked on a pro-people platform anchored on change and social transformation.*

*For the Energy Sector, this platform translates to the delivery of total, uninterrupted, affordable and sustainable electricity.*

*Along the same spirit, NEA's primordial task is the adequate protection of the energy consumers through the successful implementation of the country's rural electrification program.*

*With NEA Administrator Edgardo Masongsong stewarding, NEA is towards this positive direction.*

*We commend the entire NEA family for judiciously and proactively performing your duties and abiding by your mandate by effectively extending financial, institutional and technical assistance to the electric cooperatives.*

*The record-low system loss average posted by the ECs last year is a clear sign of NEA's effective governance.*

*Moreover, your citation for Energy Efficiency is testimony that NEA practices what we in the Energy family preach.*

*Likewise, your ISO Certification and Internal Integrity Management Program dedicatedly reflects your continuing desire to make your operations more efficient, ethical and at par with global standards.*

*NEA'S programs that give distinct focus to Mindanao energy development like those on renewable energy and resilience against disasters together with your efforts to foster closer and tighter coordination and communication with EC management and consumers, among others, are all positive signs of your very commendable relevant and high-impact public service.*

*Appreciating all these, the DOE is confident that NEA is on track and in sync with the people-centered priorities and policy directions of the Duterte Administration for the next five years.*

*Rest assured, the DOE will tightly and dedicatedly be on hand to support your plans and programs that are beneficial to our fellow Filipinos across the nation.*

*We look forward to NEA's continued success and social relevance aimed at improving public service and governance.*

*Maraming Salamat at Mabuhay ang NEA!*



**Republic of the Philippines**  
**DEPARTMENT OF ENERGY**  
Taguig City, Metro Manila



  
**ALFONSO G. CUSI**  
Secretary

## MANDATE

Total electrification on an area coverage basis and competence enhancement of electric distribution utilities in a deregulated environment.

## VISION

Total electrification on an area coverage basis by 2020.

## MISSION

To pursue the mandate of rural electrification and to provide financial, institutional and technical assistance to electric distribution utilities to make them highly competitive in delivering quality service.

## SHARED VALUES

To live and be guided by:

Generosity  
Leadership and Initiative  
Friendliness and Participation  
Honesty and Integrity  
Commitment  
Hardwork  
Teamwork

## CREDO

Go where the darkness looms  
Create the path of light  
Walk with the rural folks  
Install the lines of progress

Work with the electric cooperatives  
Spin the engine of growth  
Bring electricity to the industries,  
communities and households

Protect the consumers' interest  
Serve with your hearts  
Share your talents  
And make a difference

Live honestly  
Work efficiently  
Promote solidarity

## CORE VALUES

Absolute honesty  
Maximum efficiency  
Total solidarity





## Statement Confirming Full Compliance with the NEA's Manual of Corporate Governance and Adequacy of Internal Control System

The NEA Board Governance Nomination and Remuneration Committee (BGNRC) reviewed recommendations of Management prior to endorsement and approval by the NEA Board. All Resolutions and Actions taken by the NEA Board for Calendar Year 2015 are in compliance with the NEA Manual of Corporate Governance anchored in the Code of Corporate Governance.

Likewise, the Board Audit Committee (BAC) reviewed the findings, observations and recommendations of the Internal Audit Quality and Management Office on the operations of the NEA prior to endorsement and approval of the NEA Board. The Internal Control System of the NEA is adequate.



**AGUSTIN L. MADDATU**  
Member, NEA Board of Administrators  
Chairman, NEA BGNRC  
Chairman, NEA BAC

## Statement on Review of Financial, Operational and Risk Management System

The NEA Board Credit and Risk Management Committee (BCRMC) reviewed recommendations of Management for Calendar Year 2016 involving Financial, Operational and Risk Management prior to endorsement and approval by the NEA Board.



**VICTOR G. CHIONG**  
Member, NEA Board of Administrators  
Chairman, NEA BCRMC



# WHISTLEBLOWING PROGRAM AND COMPLAINT POLICY OF THE NATIONAL ELECTRIFICATION ADMINISTRATION

## A. INTRODUCTION

It is the State's policy that the governance of government-owned and controlled corporations (GOCCs) shall be carried out in a transparent, responsible and accountable manner with the utmost degree of professionalism and effectiveness. As a GOCC, integrity and accountability are necessary to maintain public trust and restore credibility in the public service. Whistleblowers are the primary vehicle through which misconduct is exposed and employees are therefore encouraged to come forward and voice their concerns about any aspect of this Office's work. However, witnesses to misconduct are oftentimes subject to retaliation for speaking out. This retaliation creates a chilling effect on the willingness of the employees to come forward and bring to light these misconducts.

The GCG has implemented Memorandum Circular No. 2016-02 entitled "Revised Whistleblowing Policy for the GOCC Sector". This guideline is therefore issued in order to implement the aforesaid memorandum on Whistleblowing Policy of the National Electrification Administration (NEA).

The purpose of this Whistleblowing Policy is to enable any concerned individual to report and provide information, anonymous if he/she wished and even testify on matters involving the actions or omissions of the employees, officers and members of the Board of Administrators of NEA and protect the identity of the whistleblower from retaliation for his/her actions.

## B. DEFINITION OF TERMS

- **OFFICE** – refers to the National Electrification Administration.
- **EMPLOYEE** – refers to any individual who performs services for or under the control and direction of an employer for wages or other remuneration. For purposes of this Whistleblowing Policy, it shall also include rank-and-file, regular or contractual, job order or plantilla employees, supervisors, officers and members of the Board of Administrators.
- **RETALIATORY ACTION** – means the discharge, suspension, demotion, harassment, blacklisting or the refusal to hire an employee, or other adverse employment action taken against an employee in the terms and conditions of employment, or other actions which interfere with an employee's ability to engage in protected activities set forth under this policy.
- **WHISTLEBLOWING** – refers to the process whereby employees are encouraged to report suspected violations, complaints or concern involving financial disclosures, accounting, code of conduct and ethics or policies. Whistleblowing encourages employees to bring unethical or illegal practices to the forefront and addressing them before they become detrimental to the Office.

## C. OBJECTIVES OF THE POLICY

A whistleblowing program is an important element of internal audit and control. Its main objectives are as follows:

1. To encourage employees to bring suspected malpractices, ethical and legal violations they are aware of to the attention of an internal authority.
2. To avoid exposing the office to risk or damage that may occur when employees violate a certain code of conduct. A strong whistleblowing program is one of the best means of reducing the impact of fraud and serious misconduct.
3. To help promote and develop a culture of openness, accountability and integrity within the office. The policy supports and assists personnel who have genuine concern to bring it to the attention of people within the office who can take appropriate actions.

## D. SCOPE OF THE GUIDELINE

1. The guideline shall apply to all employees of NEA as defined.
2. The following concerns and issues shall encompass reporting by concerned employees:
  - a. Violations of the provisions of the following rules and regulations, to wit:
    - i. R. A. No. 6731, "Code of Conduct and Ethical Standards for Public Officials and Employees";
    - ii. R. A. 3019, "Anti-Graft and Corrupt Practices Act",
    - iii. R. A. 7080, as amended, "The Plunder Law";
    - iv. Book II, Title VII, Crimes Committed by Public Officers, The Revised Penal Code;
    - v. Executive Order No. 292 s. 1987, "Administrative Code of 1987";
    - vi. R. A. No. 10149, "The GOCC Governance Act of 2011";
    - vii. GCG MC No. 2012-05, "Fit and Proper Rule";
    - viii. GCG MC No. 2012-06, "Ownership and Operations Manual Governing the GOCC Sector";
    - ix. GCG MC NO. 2012-07, "Code of Corporate Governance for GOCCs"; and
    - x. Other Circulars and Orders and applicable laws and regulations.
  - b. Reportable Conditions as provided under GCG Memorandum Circular No. 2016-02, Revised Whistleblowing Policy for the GOCC Sector.

## E. PROTECTED ACTIVITIES

No retaliatory action shall be made against an employee because he/she does any of the following:

1. Discloses, threatens to disclose, or is about to disclose to his/her immediate superior or through any means under this policy an activity, policy or practice of the officers, co-employee, or any of the members of the Board of Administrators, that the employee reasonably believes is in violation of a law, regulation or policy.
2. Provides information to, or testifies before any panel duly constituted under this policy or competent court of jurisdiction conducting an investigation, hearing or inquiry into any violation committed under the scope of this program or of any law, rule, regulation or policy.
3. Discloses, threatens to disclose or is about to disclose to a superior or through any means provided under this policy, or public officer a policy or practice of an officer, co-employee or any of the members of the Board of Administrators that the employee reasonably believes is incompatible with the mandate of this office.





## F. POLICIES

1. A confidential reporting channel/mechanism shall be established wherein whistleblowers may convey or communicate their concerns and/or complaints.
2. All reports must state the specific conditions/s, action/s and/or omission/s being complained about, as well as the corresponding laws, rules or regulations allegedly violated. If possible, documentary and other evidence in support of the allegation must be submitted for evaluation.
3. All reports by whistleblowers shall be treated fairly, properly and confidentially to the greatest extent possible. As such, the process allows for anonymous reporting. The whistleblower who informs against any wrongdoing may choose to maintain his anonymity and provide a manner by which he/she can be contacted without jeopardizing his anonymity. If any employee is making an identity disclosure, said employee shall retain his/her anonymity unless he/she agrees otherwise.
4. The anonymity is limited and exclusive only to the whistleblower. All respondents or those complained of must be clearly identified by their full names and positions. Furthermore, the alleged violations, actions and/or omissions must be clearly identified, together with the law, rule and regulation allegedly violated.
5. In the event that the whistleblower withdraws or desist from providing additional information, the investigation shall continue provided that the evidence gathered is sufficient as determined by the whistleblowing committee.
6. In the event that the complained employee resigns prior to the final resolution of the case against him/her, the investigation shall still continue provided that the evidence gathered is sufficient as determined by the whistleblowing committee.
7. The filing of a case in a court of competent jurisdiction does not affect the conduct of the investigation to determine administrative liability, if any.
8. The whistleblowing program intends to provide warnings and promote ethical conduct in the office. In this manner, the whistleblower may raise matters of concern or issues that are within the scope of the program enumerated per letter D above.
9. The Office shall ensure that no employee shall be at risk of suffering some form of retribution as a result of reporting or raising a concern.
10. Employees shall be responsible to raise only genuine concerns, in good faith and without any ulterior motive. The process should not be used to support personal grievances about conditions of employment or disputes.
11. The Administrator may create and appoint a "Whistleblowing Committee" that would handle the overall responsibility for the implementation and maintenance of the program.

## G. GCG WHISTLEBLOWING WEB PORTAL

The Governance Commission has established the website [www.whistleblowing.gcg.gov.ph](http://www.whistleblowing.gcg.gov.ph) as its primary reporting channel for whistleblowers under GCG Memorandum Circular No. 2016-02, Revised Whistleblowing Policy for the GOCC Sector. This reporting channel is an online-based platform by which whistleblowers may securely submit reports electronically while at the same time ensuring their anonymity and the confidentiality of their reports. Whistleblowers are encouraged to utilize this online reporting channel.

## H. CONFIDENTIALITY

Except when the whistleblower does not invoke anonymity and/or confidentiality when invoking the policy under this guideline, the office shall ensure confidentiality of all information arising from whistleblowing reports submitted. It shall treat all reports including the identity of the whistleblower and the person complained of in a confidential and sensitive manner. The identity of the whistleblower will be kept confidential, unless compelled by law or the Courts to be revealed, or unless the whistleblower authorized the release of his/her identity.

## I. PROTECTION OF A WHISTLEBLOWER AGAINST RETALIATION

Retaliatory acts against whistleblowers who submit whistleblowing reports in good faith shall not be tolerated by this office which shall extend all possible assistance to the whistleblower under the law and given the circumstances. Such retaliatory acts may include:


- (a) Discrimination or harassment in the workplace;
- (b) Demotion;
- (c) Reduction in salary or benefits;
- (d) Termination of contract;
- (e) Evident bias in performance evaluation; or
- (f) Any acts or threats that adversely affect the rights and interests of the whistleblower.

## J. UNTRUE ALLEGATIONS

If a whistleblower makes allegations that are determined to be fabricated or malicious falsehoods, and/or he/she persists in making them, legal action may be taken against him/her by the office.

## K. EFFECTIVITY CLAUSE

This guideline shall take effect fifteen (15) days after the approval by the NEA Board of Administrators, and after submission of three (3) certified copies of the same to the office of the National Administrative Registry at the University of the Philippines Law Center.

  
**EDGARDO R. MASONGSONG**  
Administrator

# Board of Administrators

## Chairman



1  
Jan 1 - June 30



2  
July 1 - present



Alternate

3  
Oct. 24 - Dec. 1



Alternate

4  
Dec 2 - present



5  
Jan 1 - Aug. 15



6  
Jan 1 - present



7  
Jan 1 - present



8  
Nov. 18 - present

## Members

The NEA Board of Administrators (NEA-BOA) is composed of five members. The Secretary of the Department of Energy (DOE) as Chairman of the Board with three members appointed by the President of the Philippines through the recommendation of the Governance Commission for GOCCs (GCG) and the Administrator as member.

With the assumption of the new national leadership in June 2016, the NEA-BOA had likewise undergone a transition with the courtesy resignation of previous members and consequently the designation of new ones which includes DOE Secretary Alfonso G. Cusi on July 1, 2016, Atty. Felix William B. Fuentesbella (October 24, 2016), Mr. Petronilo L. Ilagan (December 2, 2016) as Alternates to the Chairman, Mr. Agustin L. Maddatu and Mr. Edgardo R. Masongsong as members on November 18, 2016, respectively.

Mr. Cusi took over the rein from then DOE Secretary Zenaida Y. Monsada as Board Chairman. Deputy Administrator Sonia B. San Diego was designated as NEA Officer-in-Charge taking the post when Ms. Edita S. Bueno retired on June 30, 2016. Further, Board Member Fr. Jose Victor E. Lobrigo ended his term on August 15, 2016. Other members namely Messrs. Eugene A. Tan and Victor G. Chiong remained to serve their respective terms.

### 1 ZENaida Y. MONSADA

Age: 61

#### Highest Educational Qualifications:

Master in Public Management, Development Academy of the Philippines

**Date of First Appointment: October 2015**

#### Relevant Experience:

Secretary, Department of Energy (Oct 2015-Jun 30, 2016)  
Undersecretary, DOE-Electric Power Industry Management Bureau, Energy Resources Development Bureau, Renewable Energy Management Bureau  
Director, DOE Oil Industry Management Bureau.

#### Continuing Training Program:

Led the creation of the DOE's national petroleum testing laboratory and the acquisition/operation of the mobile testing facility  
Facilitated the institutionalization of the multi-sectoral advocacy campaign on the downstream oil industry  
Was part of the "Benchmarking of Biodiesel Fuel Standardization in East Asia" of the Economic Research Institute for ASEAN and East Asia

### 2 ALFONSO G. CUSI

Age: 67

#### Highest Educational Qualifications:

Doctorate in Business, Honoris Causa,  
Polytechnic University of the Philippines  
Master in Business Administration  
University of the Philippines, Cebu  
BS in Business Administration, La Salle College, Bacolod

**Date of First Appointment: July 1, 2016**

#### Relevant Experience:

Secretary, Department of Energy (DOE)

General Manager, Philippine Ports Authority (PPA)  
General Manager, Manila Int'l. Airport Authority (MIAA)  
Director General, Civil Aviation Authority of the Philippines (CAAP)

### 3 ATTY. FELIX WILLIAM B. FUENTEBELLA

Age: 42

#### Highest Educational Qualifications:

RA 1080 - Philippine Bar, San Sebastian Recolotes  
Institute of Law/Ateneo de Manila University  
BS in Business Administration, University of the Philippines, Dilliman

**Date of First Appointment: October 24, 2016**

#### Relevant Experience:

Undersecretary, Department of Energy (DOE)  
Deputy Secretary General, Housing and Urban Development Coordinating Council (HUDCC)  
Commissioner, Housing and Land Use Regulatory Board (HLURB)  
Chief of Staff and Head Legislative Staff, Office of Congressman Arnulfo Fuentesbella  
Assistant Majority Floor Leader  
12th Philippine Congress  
Political Affairs Officer, Office of Congressman Arnulfo Fuentesbella

#### Continuing Training Program:

15th Asia Cooperation Dialogue and Other Related Meetings, Abu Dhabi, U.A.E.  
2016 BERLIN Renewable Energy and Efficiency Week, Berlin, Germany  
ASEAN Government Leadership Program (AGLP), New York & Washington, D.C. U.S.A.

### 4 PETRONILO L. ILAGAN

Age: 67

#### Highest Educational Qualifications:

BS in Business Management, University of the East

**Date of First Appointment: December 2, 2016**

#### Relevant Experience:

Undersecretary, DOE (supvng NEA, TransCo, NPC.)  
Head, Consumer Welfare & Promotion Office, DOE  
former National President, National Electricity Consumers for Reforms, Inc. (NASECORE)

### 5 FR. JOSE VICTOR E. LOBRIGO

Age: 51

#### Highest Educational Qualifications:

Pre-Doctoral Graduate Student,  
Catholic University of Louvain, Belgium  
Masters in Pastoral Ministry, Loyola School of Theology, Ateneo de Manila University  
Masters in Development Studies, Institute of Social Studies, The Hague, Netherlands

**Date of First Appointment: February 7, 2006**

#### Relevant Experience:

President, Bicol Microfinance Council, Inc.  
Chairman of the Board, Simbag sa Pag-aseño, Inc.  
Parish Priest, Our Lady of the Gate Parish, Daraga, Albay

#### Continuing Training Program:

Program for Dev't Managers, Asian Institute of Mgmt  
2015 NRECA Annual Meeting  
2014 NRECA Annual Meeting  
Professional Directors' Program, Institute of Corporate Directors





Jan 1 - June. 30



July 1 - Nov. 17



Nov. 18 - present

## Administrator/Member

### 6 EUGENE A. TAN

Age: 46

#### Highest Educational Qualifications:

BS Biology, Divine Word University

**Date of First Appointment:** March 3, 2015

#### Relevant Experience:

Proprietor, Luxury Suites Hotel, Tap Commercial, Janvike Construction and Supplies, and Access Office Systems  
Managing Director and franchisee, Gerry's Grill

#### Continuing Education Program:

Performance Governance System (PGS) 101, Makati Diamond Residence, Legaspi Village  
CGOP for Government Owned and Controlled Corporation, The Intercontinental Manila  
Attended training programs in the Asian Institute of Management, Ateneo de Manila University and the Rotary Club International District 3860 in Kentucky, USA along with several leadership seminar

### 7 VICTOR G. CHIONG

Age: 57

#### Highest Educational Qualifications:

BA Law-Univ. of the Visayas, Gullas Law School  
B.S. Accountancy, University of the Visayas

**Date of First Appointment:** May 20, 2015

#### Relevant Experience:

President, Metro Cebu Water District Union  
President, National Alliance of Water District Unions of the Philippines  
Organizer-President, Allied CEBECO Labor Unions  
Consultant-Lecturer, National Solidarity of Electric Cooperative Labor Unions  
Convenor, Steering Committee of the International Labor Organization in the Philippine Water Utility Sector  
Chairman, National Coordinating Committee of Public Services International Philippine Affiliates  
Chairman, Brotherhood of Union of the Philippines  
President, Alliance of Gov't. Employees, Region 7

#### Continuing Training Program:

Performance Governance System (PGS) 101, Makati Diamond Residence, Legaspi Village  
CGOP for Government Owned and Controlled Corporation, The Intercontinental Manila  
Participated in 21 international conventions, conferences and seminars in all sorts of advocacies & initiatives in service to the country & its citizens

### 8 AGUSTIN L. MADDATU

Age: 67

#### Highest Educational Qualifications:

B.S. in Commerce major in Business Administration, University of the East

**Date of First Appointment:** November 18, 2016

#### Relevant Experience:

Deputy Administrator for Administration, NEA  
Rural Electrification Director, NEA  
Acting General Managers, various ECs  
Chief in Research Division, NEA  
Financial Analyst, NEA

#### Continuing Education Program:

Corporate Governance Orientation Program for Government-Owned and Controlled Corporation, Dusit Thani Hotel, Makati City

### 9 EDITA S. BUENO

Age: 65

#### Highest Educational Qualifications:

B.S. Public Administration-Araneta University  
units in Master in Public Administration, University of the Philippines, Diliman

**Date of First Appointment:** August 16, 2004

#### Relevant Experience:

Acting Administrator, NEA (January-June 2004)  
Chief Operations Officer & Deputy Administrator for Coop Dev't. & Special Projects, NEA (2001-2003)  
Deputy Administrator for Coop Development and Special Projects, NEA (1993-2001)  
Member, ADB-initiated Energy for All Partnership Steering Committee (March 2009)  
Member of Advisory Board, Philippine Electricity Market Corporation (June 17, 2009)

#### Continuing Training Program:

Attended and participated in: NRECA Annual meetings from 2005-2015, Asian Clean Energy Fora, Energy for All, Partnership Steering Committee Meetings  
Attended Executive Leadership Programs  
Attended Management Trainings and Programs of:  
\* Institute for Solidarity in Asia on Public Governance Forum, Palladium Summit, and Performance Governance System Revalida  
\* Institute of Corporate Directors, Professional Directors Programs, Roundtable Discussion Corporate Governance, and OECD Asian Roundtable Discussion

### 10 SONIA B. SAN DIEGO

Age: 59

#### Highest Educational Qualifications:

BS in Business Administration, University of the East  
Bachelor of Laws, Far Eastern University  
Master in Business Administration, Bulacan State University

**Date of First Appointment:** Jul 1, 2016

#### Relevant Experience:

Deputy Administrator, NEA  
Department Manager, Finance Services, NEA  
Division Manager, Budget Control, NEA

#### Continuing Training Program:

Attended the Asia Clean Energy Forum 2016 ADB Headquarters, Manila

### 7. EDGARDO R. MASONGSONG

Age: 58

#### Educational Qualifications:

AB major in Philosophy, Notre Dame University, Cotabato City  
Theological Studies, St. Francis Xavier Regional Major Seminary, (SFX-REMASE), Davao City

**Date of First Appointment:** November 18, 2016

#### Relevant Experience:

Representative, I-CARE Party-list,  
16th Philippine Congress,  
General Manager, Bukidnon Second Electric Cooperative, Inc. (BUSECO)  
Assistant City Administrator,  
City Government of Cebu  
Branch Manager, Region 7 Visayas Cooperative Development Center (VICTO)  
Organizer of various sectors in Mindanao and worked closely with the Consortium for Rural and Urban Service Projects and the Parishes in Davao City and Cotabato Provinces.

#### Continuing Training Program:

Corporate Governance Orientation Program for Government-Owned and Controlled Corporation, Dusit Thani Hotel, Makati City

## NOTABLE ACCOMPLISHMENTS OF THE NEA BOARD OF ADMINISTRATORS

A total of 14 Board Meetings, of which seven Regular, six Quasi-judicial matters and one Special Board Meeting as well as three Referenda were held by the NEA Board of Administrators (BOA), approving 183 resolutions to respond to the requirements of NEA, the ECs and the Rural Electrification Program as a whole.

There were 11 significant policies, codes, rules and guidelines approved by the BOA to comply with the conditions/requisites set forth by GCG, R.A. 10531 and the present industry and business trends.

Moreover, NEA Board Committees performed the following activities to improve the Good Corporate Governance Program:

1. The NEA Board Governance, Nomination and Remuneration Committee formerly chaired by Fr. Jose

Victor E. Lorigo, and later in 2016 by Board Member Agustin L. Maddatu, held six and was able to approve 26 resolutions.

2. The Board Credit and Risk Management Committee chaired by Board Member Eugene A. Tan held six meetings and approved 95 resolutions.

3. The Board Audit Committee, chaired by Board Member Victor G. Chiong held six meetings and approved 23 resolutions.



## Administrator's Report

*It is with great honor to share with all of you the corporate accomplishments of the NEA for the year 2016. The achievements highlighted in this report demonstrate the agency's strong and unwavering commitment to improve the living standards of the Filipinos in rural areas through electrification.*

### 2016 Corporate Accomplishments

#### A. Completion of Sitio Electrification Program

*The NEA, in partnership with the 121 electric cooperatives (ECs), has completed the energization of the 32,441 sitios under the Sitio Electrification Project (SEP). The agency has received a total of Php30.932 billion subsidy from the national government, Php20.047 billion of which was earmarked for SEP.*

*From October 2011 to March 2016, NEA was able to connect to the grid a total of 32,688 sitios, bringing the sitio electrification level to 82 percent and thus raising the number of consumer connections to 11.305 million. The Department of Energy is aiming to reach the target of 90 percent household electrification by end of 2017.*

#### B. Rooftop Solar Power Facility

*In line with the government's thrust of promoting the use of renewables, the agency has installed a 27 kilowatt-peak (kWp) solar photovoltaic (PV) facility on its rooftop to cover part of its power requirements on February 9, 2016.*

*The newly-installed solar PV system is envisioned to be a showcase initiative for ECs to adopt clean energy technologies and contribute to mitigate the effects of climate change.*

#### C. Quality Management Award

*NEA received on November 10, 2016 the Government Quality Management Program Award after successfully earning its ISO 9001:2008 Certification on February 10, 2015. The agency was the first government-owned and controlled corporation (GOCC) to be given the certification.*

#### D. ISO 9001:2015 Certification

*NEA was awarded the ISO 9001:2015 certification after passing the second surveillance audit conducted last November 10, 2016. This places NEA among the first national government agencies to be upgraded to the 2015 version and confirms the effectiveness of its Quality Management System (QMS).*



The upgrade of NEA to ISO 9001:2015 certification is a proof of its unceasing desire to improve operational performance and strengthen alliance with the ECs to meet and even exceed the growing expectations of the power consumers.

#### E. Don Emilio Abello Energy Efficiency Award

For the year 2016, NEA was conferred the "Energy Efficiency and Conservation in Government Buildings Award" by the Department of Energy for its commendable accomplishments in energy efficiency and conservation initiatives resulting to substantial savings in its energy consumption.

The agency was cited for saving energy amounting to Php6.9 million, which was equivalent to 699 megawatt hours (MWH) and a carbon dioxide avoidance of 358 tons as against the average energy consumption baseline year in 2004. It received a grade of 95 percent in its energy audit spot check.

#### F. Task Force Kapatid "Lawin" and "Nina"

In times of natural disasters, NEA also extends assistance to affected communities. In the past year, the agency and its partner ECs mobilized Task Force Kapatid (TFK) for the immediate restoration and rehabilitation of power lines damaged by Typhoons "Lawin" and "Nina."

Thirty-one ECs participated in the Task Force Kapatid Lawin. NEA engineers were deployed to work with the EC teams in fast-tracking the activities and consolidating all efforts, in the rehabilitation of the damaged power lines.

Meanwhile, power restoration efforts were also extended to the following Typhoon Nina-hit provinces: Quezon, Oriental Mindoro, Marinduque, Camarines Sur, Albay, Catanduanes and Sorsogon.

I am also pleased to report that for 2016, NEA was able to meet 12 out of the 15 strategic measures in its Performance Scorecard, as well as all of the 10 Support Performance Measures.

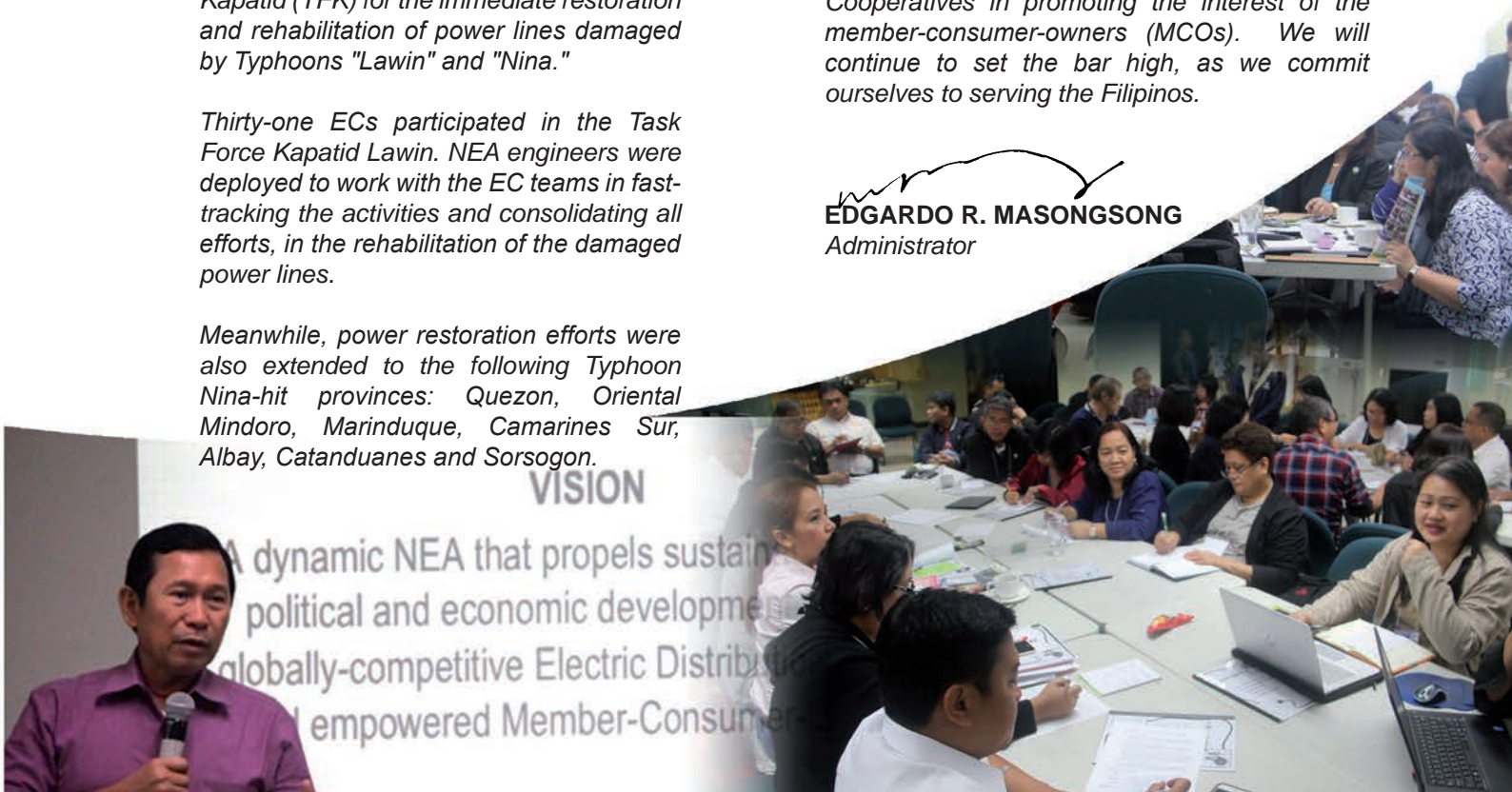
I, along with our dedicated employees and partner ECs, take pride in these achievements of the Agency — my first since being appointed as NEA's new administrator only last November 2016. While the agency has made significant strides in the past year, more still needs to be done.

As a result of the consultative conference with stakeholders and agency personnel held in December 2016, we crafted NEA's new policy thrusts intended to accelerate the implementation of the rural electrification program to ensure that Filipinos, especially those living in remote and far-flung areas, will enjoy the benefits of electricity.

These new initiatives are in line with the five-point electricity agenda of President Rodrigo Roa Duterte and nine-point agenda of Department of Energy Secretary Alfonso G. Cusi. Foremost of which is the intention to reduce power rates in the country to make sure that every Filipino will have access to cheap and reliable electricity service.

As we move forward, NEA will push further for rural development through Rural Electrification and stronger partnership with the Electric Cooperatives in promoting the interest of the member-consumer-owners (MCOs). We will continue to set the bar high, as we commit ourselves to serving the Filipinos.

  
**EDGARDO R. MASONGSONG**  
Administrator



## VISION

A dynamic NEA that propels sustainable political and economic development of a globally-competitive Electric Distribution and empowered Member-Consumers.





## Sitio Electrification Program (SEP) and Barangay Line Enhancement Program (BLEP)

A total of 3,335 SEP projects were completed/energized for the whole year exceeding the target of 3,150 by 185 (105%) with a total project cost of Php2.999 billion. As of December 31, 2016, the SEP has overall accomplishment of 34,209 sitios.

House connections have reached an initial 564,299 consumers. Potential consumers are working for various LGU and other required compliances for member-consumer prelude to connection.

YEAR	TARGETS	ACCOMPLISHMENTS		Project Cost (PhpB)	Initial House Connection (Cumulative)
		Yearly	Cumulative		
2011	1,410	1,520	1,520	0.76	14,366
2012	6,007	6,163	7,683	3.15	53,688
2013	5,831	5,263	12,946	3.06	73,990
2014	7,073	7,567	20,513	4.42	138,529
2015	7,092	10,361	30,874	7.08	283,726
2016	3,150	3,335	34,209	3.00	564,299

For 2016, 181 BLEP projects were completed/energized exceeding the target of 176 by 5 barangays (103%) with a total project cost of Php1.033 billion. There are still 158 BLEP projects remaining for completion of the programmed 1,030 barangays for line enhancement.

YEAR	TARGETS	ACCOMPLISHMENTS		Project Cost (PhpB)
		Yearly	Cumulative	
2011	227	227	227	0.48
2012				
2013	118	118	345	0.34
2014	181	181	526	0.64
2015	230	165	691	0.51
2016	176	181	872	1.03

Part of the BLEP accomplishments were the installation of submarine cable to the following islands: Lajala Island in Biselco, Ilin Island in Omeco, Logbon Island and Alad Island in Romelco, Sipaway Island in Noneco, Gigantes Island in Ilico III and Mahanay Island in Boheco II.

### Electrification of NHA Resettlement Sites

The national government had allocated Php1,054,050,000.00 to NEA for the construction of distribution lines which will serve as tapping point to energize the resettlement sites under the coverage area of 19 ECs intended for the families affected by Typhoon Yolanda.

As of December 31, 2016, 101 sites were completed/energized and with tapping point ready.

### Electrification of School Building

In support to the Department of Education's program for the electrification of public school buildings nationwide, the NEA-Accelerated Total Electrification Office (NEA-ATEO) through the electric cooperatives assisted DepEd in updating of database. Quarterly reports were submitted to DepEd on the following:

1. List of Energized Schools including benefitted by SEP/BLEP
2. List of Schools with access to electricity but with no application for connection yet
3. List of Unenergized Schools

Likewise, NEA-ATEO had evaluated the cost of electrifying the 10 schools which are located in the areas where there are no existing distribution line or where connection to grid thru SEP/BLEP is not possible at this time. The evaluation was transmitted to DepEd for funding allocation.





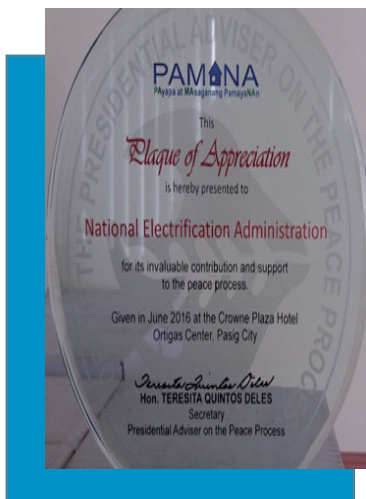
## Final Inspection and Acceptance

A series of final inspection and acceptance for SEP, BLEP and Yolanda Rehabilitation and Recovery Plan (YRRP) projects were conducted. In spite of the challenges encountered during the trial implementation such as the absence of road network/unpassable road, mountainous terrain, inclemental weather, problems in peace and order situation, targets were still met, as follows:

	TARGET	ACCOMPLISHMENTS
SEP	8,000	8,031
BLEP	100	156
YRRP	5	8

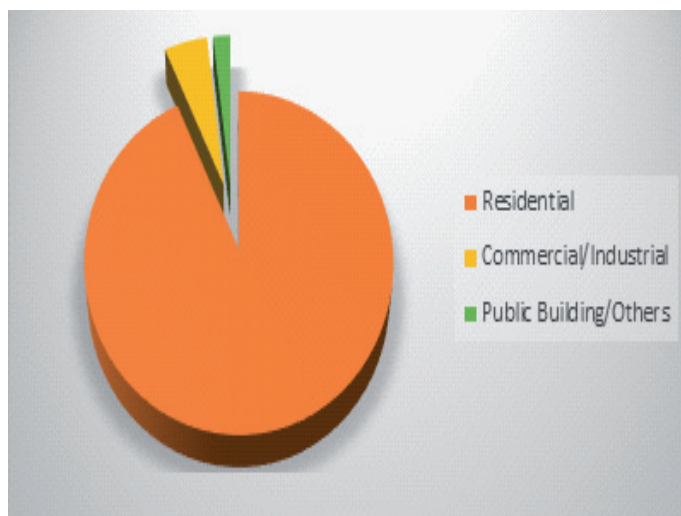
## Citations and Recognitions

On June 2016, ATEO received two plaques of appreciations. One from Department of Education and from Office of the Presidential Adviser on the Peace Process – Payapa at Masaganang P a m a y a n a n (OPAPP-PAMANA) for electrifying unenergized schools, sitios and barangays in the conflict-stricken areas.



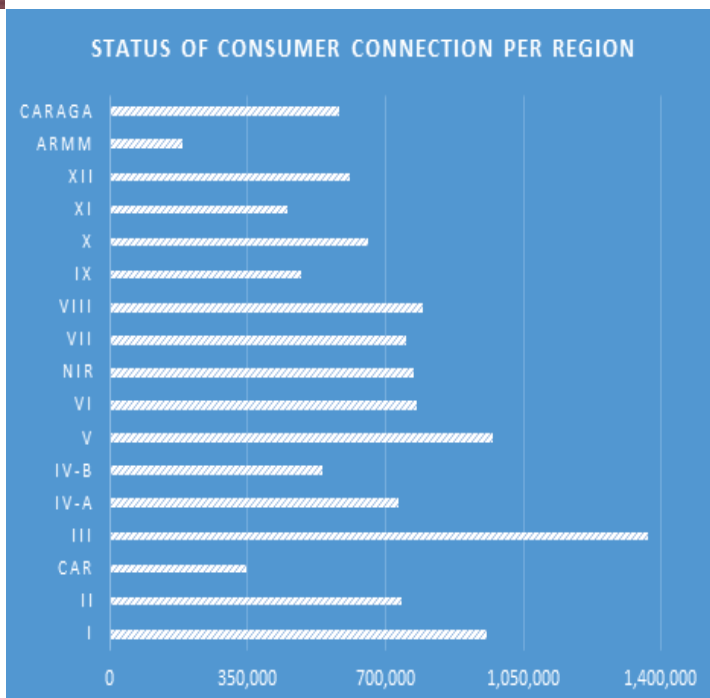
The ceremonies for the awarding of the plaques were held at the Meralco Multi-Purpose Hall, Ortigas Avenue, Pasig City and Crowne Plaza Hotel, Ortigas Center, Pasig City, respectively.

## Consumer Connection



The connection of additional 550,560 consumers in 2016 represents 120% accomplishment based on the target of 460,000. At yearend, a total of 11,724,640 consumer connections have already been served with electricity bringing the level of energization to a high of 88% of the potential 13.34M. Breaking down into consumer type, 93% constitutes residential consumers, 5% commercial/industrial, and 2% public building/others.

On the regional level, Region III registered the highest number of energized connections with 1,366,964, followed by Region V with 974,128 and Region I with 958,253.







Republic of the Philippines  
COMMISSION ON AUDIT  
Commonwealth Avenue, Quezon City, Philippines

## INDEPENDENT AUDITOR'S REPORT

### THE BOARD OF ADMINISTRATORS

National Electrification Administration  
NIA Road, Government Center  
Diliman, Quezon City  
1100

### Report on the Financial Statements

We have audited the accompanying financial statement of **National Electrification Administration (NEA)**, which comprise the statement on financial position as at December 31, 2016 and 2015, and the statement of comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, statement of comparison of budget and actual amounts and a summary of significant accounting policies and other explanatory information.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Philippine Public Sector Accounting Standards, and for such internal control as Management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with Philippine Public Sector Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the Auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified audit opinion.

### Opinion

In our report dated April 27, 2016, our opinion on the 2015 financial statements was qualified as per confirmation made with the Bureau of the Treasury (BTr), a significant variance of P12.110 billion was found existing between the P8.137 billion year-end balance of account. Due to National Treasury, representing Advances of the National Government (NG) through the BTr on NEA's foreign loans, and the P20.247 billion balance confirmed by the BTr. Of this noted variance, the amount of P6.499 billion or 54 percent pertained to NEA's unrecognized interests on NG Advances charged by BTr covering 1971 to 1989 foreign loans under the Bail-out Program, while the amount of P5.611 billion or 46 percent remained unreconciled as at year-end. As discussed in Note 11, NEA has already recorded the unbooked interest on NG advances amounting to P6.499 billion and reversed the entry made for the Foreign Currency Adjustment of Prior Years amounting to P3.500 billion. Further, BTr reversed in its books the amount of P2.111 billion representing maintenance of value risk. Accordingly, our present opinion on the 2015 financial statements is no longer qualified concerning this matter.

In our opinion, the financial statements present fairly, in all material respects, the financial position of the National Electrification Administration as at December 31, 2016 and 2015, its financial performance, cash flows for the years then ended and comparison of budget and actual amounts in accordance with Philippine Public Sector Accounting Standards.



## Other Matter

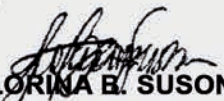
Out of the total releases of P25.173 billion to electric cooperatives (ECs) for Sitio Electrification Project/Barangay Line Enhancement Program (SEP/BLEP), only P19.245 billion or 76.45 percent was liquidated and P5.928 billion or 23.55 percent remained unliquidated as of December 31, 2016. The accumulation of unliquidated year-end balance was brought about by having subsequent releases to the ECs despite non-liquidation of earlier releases, a practice allowed by NEA Management. Our opinion is not qualified in respect of this matter.

## Report on the Supplementary Information Required under Revenue Regulations No. 15-2010

Our audit was conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplementary information required by the Bureau of Internal Revenue on taxes, duties and license fees disclosed in Note 26 to the financial statements is presented for purposes of additional analysis and is not a required part of financial statements prepared in accordance with Philippine Public Sector Accounting Standards. Such supplementary information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

### COMMISSION ON AUDIT

By:

  
**GLORINA B. SUSON**  
OIC - Supervising Auditor

May 23, 2017

## STATEMENT OF MANAGEMENT'S RESPONSIBILITY FOR FINANCIAL STATEMENTS

The management of **NATIONAL ELECTRIFICATION ADMINISTRATION** is responsible for all information and representations contained in the accompanying Balance Sheet as of **December 31, 2016** and the related Statement of Income and Expenses and Cash Flow for the year then ended. The financial statements have been prepared in conformity with generally accepted state accounting principles and reflects amounts that are based on the best estimates and informed judgment of management with an appropriate consideration to materiality.

In this regard, management maintains a system of accounting and reporting which provides for the necessary internal controls to ensure that transactions are properly authorized and recorded, assets are safeguarded against unauthorized use or disposition and liabilities are recognized.

  
**SONIA B. SAN DIEGO**  
Deputy Administrator for Corporate Resources and Financial Services

  
**Edgardo R. Masongsong**  
Administrator



## STATEMENT OF FINANCIAL PERFORMANCE

For the Year Ended December 31, 2016

(With comparative figures for 2015)

( In Philippine Peso )

	Notes	2016	2015
<b>INCOME</b>			
<b>General Income</b>			
Interest Income	15	599,957,048	624,479,755
Service Income		31,445,127	113,037,763
Total Income		631,402,175	737,517,518
<b>EXPENSES</b>			
Personal Services	16	252,976,839	265,080,295
Maintenance and Other Operating Expenses	17	157,812,812	151,378,780
Total Expenses		410,789,650	416,459,075
<b>Net Income from Operations</b>		<b>220,612,525</b>	<b>321,058,443</b>
<b>Other Income(Expenses)</b>			
Gain/Loss on Foreign Exchange	2, 18	801,439	1,677,666
Gain/Loss on Sale of Disposed Assets		-	-
Financial Expense	19	(93,786,940)	(53,496,011)
Other Income	20	35,420,319	57,815,010
Total Other Income/Expenses (Net)		(57,565,182)	5,996,665
<b>Net Income Before Income Tax</b>		<b>163,047,342</b>	<b>327,055,108</b>
<b>Income Tax</b>	21	<b>53,654,979</b>	<b>92,972,617</b>
<b>NET INCOME</b>		<b>109,392,364</b>	<b>234,082,491</b>



## STATEMENT OF FINANCIAL POSITION

For the Year Ended December 31, 2016

(With comparative figures for 2015)

( In Philippine Peso )

	Notes	2016	2015
<b>ASSETS</b>			
<b>Current Assets</b>			
Cash and Cash Equivalents	3	8,190,883,553	8,466,290,099
Loans Receivable, Matured Portion (Net)	4	2,248,189,584	2,311,187,278
Other Receivables (Net)	5	6,938,629,732	16,365,718,998
Inventories (Net)	6	7,830,119	7,073,687
Prepayments		1,858,446	1,297,045
Total current assets		17,387,391,434	27,151,567,107
<b>Non-Current Assets</b>			
Long-Term Loans Receivable	7	9,414,247,980	8,552,443,749
Property and Equipment (Net)	8	232,451,020	245,989,057
Other Assets	9	4,710,503	4,710,503
Total non-current assets		9,651,409,503	8,803,143,309
<b>TOTAL ASSETS</b>		<b>27,038,800,937</b>	<b>35,954,710,416</b>
<b>LIABILITIES AND EQUITY</b>			
<b>Current Liabilities</b>			
Payables	10	164,272,770	204,714,931
Payables to Government Agencies	11	18,195,409,300	8,146,982,361
Current Portion of Loans Payable	12	3,797,336	10,806,981
Other Payables	13	13,603,573,077	22,495,298,310
Total current liabilities		31,967,052,483	30,857,802,583
<b>Non-Current Liabilities</b>			
Loans Payable - Domestic	12	-	3,797,336
Deferred Credits	14	66,466,120	46,685,393
Total non-current liabilities		66,466,120	50,482,729
<b>TOTAL LIABILITIES</b>		<b>32,033,518,603</b>	<b>30,908,285,312</b>
<b>EQUITY</b>		<b>(4,994,717,666)</b>	<b>5,046,425,104</b>
<b>TOTAL LIABILITIES, NET OF CAPITAL DEFICIENCY</b>		<b>27,038,800,937</b>	<b>35,954,710,416</b>

# 2016 Performance Scorecard

The **Performance Scorecard** is one of the compliance measures required by the Governance Commission for GOCCs (GCG) from government-owned and controlled corporations aimed at gauging their level of productivity and efficiency and ensuring that good governance mechanisms are in place in all government institutions. Negotiated yearly between GCG and the GOCC's top management, the Performance Scorecard presents in full view the major final outputs of each corporation for the year, with their full corresponding rating.

This year, the Cluster on Corporate Governance, formed in 2015, was able to review, recommend and monitor mechanisms that enabled the timely and efficient operationalization and compliance of the Agency to GCG's requirements. Further, the Cluster also ensured the sustainability of the Agency's Performance Governance System (PGS) which was cascaded to each Government Component Unit and other strategic partners.

Perspective	Strategic Measure	Weight (%)	2016		% WEIGHTED RATING
			Target	Actual	
Stakeholders	1 Number of completed and energized sitio projects	30	3,150	3,335	30
	2 Percentage of ECs adopting balanced scorecard system	7	51.67% (62 ECs)	48.33% (58 ECs)	6.55
	3 Programs and projects to improve EC operations				
	a. EC Board approved Operational Improvement Plan (OIP)	1.5	3 ECs	3 ECs	1.5
	b. Quarterly monitoring of OIP	1.5	13 reports	13 reports	1.5
	4 Percentage of milestones completed by NEA leading to the restructuring of identified ailing EC/s through PSP	2	100%	Did not meet	0
	5 Number of ailing EC/s restructured through PSP	4	1	Did not meet	0
6 Sustainability of restructuring through PSP (ALECO and PELCO II)	3	100%	100%	3	
7 Number of EC officials and employees graduated from certification/competency program	3	2,050	3,578	3	
Finance	8 Amount of regular loans facilitated (PHP Billion)	10	1.7	1.83	10
	9 Maintain high collection efficiency (%)	4	99	100	4
Perspective	Strategic Measure	Weight (%)	2016		% WEIGHTED RATING
Internal Process	10 Percentage of sitio electrification projects funded that are fully compliant with NEA standards and specifications	10	75% of projects done as of end Sept. 2016	85%	10
	11 Percentage of sitios completed and energized within 150 calendar days from release of funds to ECs	10	80%	81%	10
	12 Average number of days to release regular loans	4	10	8.52	4
	13 Average number of days to release calamity loan (natural and armed conflict)	2	6	5.38	2
Learning and Growth	14 Implementation of ISO 9001:2008	5	Surveillance Audit Passed	Surveillance Audit with Upgrade to 2015 Standard Passed	5
	15 Average percentage of required competencies met	3	Submission of Board approved Competency Model	Board approved Competency Model submitted	3



Perspective	Strategic Measure	Weight (%)	2016		% weighted rating
			Target	Actual	
Stakeholders	1 Number of rated Green ECs	35	72	85	35
	2 Number of Line-Enhanced Barangays	10	176	181	10
	3 National Average System Loss Level (%)	10	11.12	11	10
	4 Number of Consumers Connected	10	460,000	550,560	10
Financial	5 Profitability	10	Positive	Positive	10
	6 Debt Servicing (%)	10	100	100	10
Internal Process	Average Response Time on Documents				
	7 a. Fast Lane Documents (hours)	5	33	20.58	5
	8 b. Regular Tracked Documents (hours)	5	85	49.83	5
Learning and Growth	9 Number of NEA officials and employees graduated from certification/competency programs	3	500	780	3
	10 Average Performance Rating of Employees	2	4 (VS)	4 (VS)	2





## Positive Results of Operations

For the past twelve years, NEA sustained positive results in its operation. In 2016, total operating and service income amounted to PhP631.40 million while total operating expenses amounted to PhP410.79 million resulting to a Net Income from operation of PhP220.61 million.

## Subsidy

For the year 2016, NEA received a total amount of PhP3.146 billion subsidy fund from the National Government (NG), through the Department of Budget and Management (DBM). SEP got the biggest share amounting to PhP1.133B or 36% of the total subsidy fund, followed by Barangay Line Enhancement Program amounting to PhP1.001 billion or 32%.

Likewise, NEA received PhP803.98 million grant from NG to address the urgent need to rehabilitate distribution lines and restore electric service to member consumers in the coverage area of 14 ECs severely damaged by typhoon "Glenda". Also, the Agency received PhP207.40 million grant for National Housing Authority (NHA) Yolanda Permanent Resettlement sites on 04 March 2016.

## Collection Performance

NEA posted a total collection for 2016 operation in the amount of Php2.483 billion against amortizations due of Php2.482 billion or an average collection efficiency of 100%. The following are the top paying ECs excluding Short Term Credit Facility (STCF) and Standby Credit Facility (SCF):

EC		AMOUNT (In Million PhP)	
1	Cenpelco	Php	94.31
2	Fibeco		62.45
3	Kaelco		53.76
4	Aselco		51.70
5	Fleco		48.03

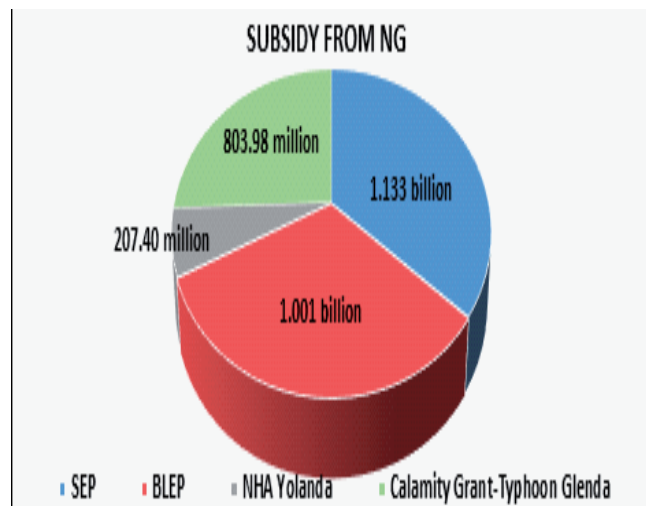
## Conversion of Chart of Accounts

This year, NEA adopted the Philippine Public Sector Accounting Standards (PPSASs) based on Commission on audit (COA) Resolution No. 2014-003. PPSASs are combinations of International Public Sector Accounting Standards (IPSASs), the international accounting standards for public entities and the Philippine Application Guidelines (PAGs).

In addition, COA issued Circular Nos. 2015-010 and 2016-006 dated 1 December 2015 and 29 December 2016, respectively, requiring the adoption



of the Revised Chart of Accounts (RCA) of government corporations and the conversion of the Philippine Government Chart of Accounts into RCA. This is to harmonize the financial reports with the PPSASs. In compliance with the circular, NEA submitted to COA the converted trial balance for the year ended 31 December 2016. The manual (soft) conversion from electronic-New Government Accounting System (e-NGAS) database to the RCA was effected in lieu of the calibrated e-NGAS program adopting the RCA.





Cognizant of the challenges faced both by ECs and NEA to sustain financial and operational viability, NEA continued to expand its financing options for the ECs. It established two new loan windows/facilities to support the funding requirements of ECs. These are:

1. Credit Facility for Emergency, Unplanned and Contingency CAPEX Projects and Disaster Resiliency Program
2. Renewable Energy (RE) Loan for the development, repair/rehabilitation of ECs' renewable energy projects

Besides establishing new loan windows, NEA also enhanced its existing lending and co-financing programs to be more responsive to the needs of the ECs, as follows:

### Reduction of NEA Lending Rate

Effective April 14, 2016, another cut of interest rates on term loan from 6.5% to 6% and short term loan from 12% to 6% was approved by the NEA Board of Administrators to provide an updated loan pricing that is fair, reasonable and competitive with other financing institutions.

### Amendment of Policy on Rural Electrification Loan – Working Capital

Particularly in 2009, NEA approved the Policy on Rural Electrification Loan – Working Capital to help ECs comply with the prudential requirements and timely payment of power accounts in relation to the ECs power supply contracts. However, as a result of NEA's consultation with the ECs, the NEA Board amended the policy to include the financing of special retirement program and tax obligations of ECs.

### Policy on Conversion of Calamity Loan into Subsidy/Grant

Considering the magnitude of calamity grant being provided by the NG to the ECs, the NEA Board approved the Policy on Conversion of Calamity Loan into Subsidy/Grant that shall govern the conversion of ECs' calamity loan into grant/subsidy. Calamity assistance is intended to cover the cost for the immediate power restoration and rehabilitation/reconstruction of the damaged distribution systems and facilities within the coverage areas of the ECs caused by typhoons, earthquakes, and other natural calamities.

### Amount of Loans Facilitated

NEA exceeded the target of PhP1.700 billion for 2016 loans amounting to PhP1.831 billion or an average increase of 8%. Loans were released to 56 ECs, through NEA's various loan facilities as follows:

PARTICULARS	NO. OF ECS	AMOUNT In Million Php
Short-Term Credit Facility (STCF)/Stand-by Credit Facility (SCF)	7	174
RE – Capital Expenditures Projects	39	938
RE – Working capital	4	280
Modular Generator Sets	4	439
<b>Total</b>		<b>1.83B</b>
<b>No. of EC Borrowers</b>	<b>56</b>	

ECs which availed of the Working Capital loan were Cenpelco, Casureco II, Fibeco and Sukelco, while those which availed loans for the Modular Generator sets were Zamcelco, Moresco II, Daneco, Aneco and Surneco.

ECs which were granted Calamity Loans were Abreco, Beneco, Kaelco, Batanelco, Cagelco I, Aurelco, Omeco, Romelco, Ormeco, Maselco, Lubelco, Soreco I, Soreco II, Norsamelco and Bileco with a total amount of PhP603 million. Calamity loans are mostly for the ECs damaged by Typhoons Lawin, Ferdie and Nona.

### Foreign Loans Debt Servicing

During the year, the amount of PhP71 million, composed of PhP69 million for Principal and PhP2 million for Interest was paid for debt servicing of NEA's foreign loans. This was 100% of amortizations due for the period under USAID Loans. The last repayment will be on April 11, 2017 under USAID Loan No. 492-T-043 amounting to PhP22 million.

### Subsidy Releases and Liquidation

NEA released subsidy funds amounting to PhP2.5 billion to 102 ECs for the attainment of total electrification of the countryside under the SEP, BLEP and Calamity Grants. Calamity grants are subsidy funds given to stricken ECs to provide assistance for the immediate restoration of power and rehabilitation of damaged distribution system. For the year 2016, PhP803 million was provided to 14 ECs for Typhoon Glenda. These subsidies released to ECs shall be liquidated within timelines to ensure that projects are completed, funds are utilized and fully liquidated in accordance to COA rules and regulations.

The total amount of liquidation of subsidy releases amounted to PhP11.424 billion.





The main focus of the Institutional Development Department (IDD) was the provision of assistance for member-consumer-owners empowerment through livelihood programs in Batelec I and II, Multi-Sectoral Electric Advisory Council (MSEAC) Orientation in Zamcelco, Casureco II, Canoreco, Daneco, Laneco and Boheco II and effective Consumer Service in Neeco I, Canoreco and Moresco II and monitoring of Nationwide Intensification of Household Electrification (NIHE) in coordination with Department of Energy.

The Compendium of Electric Cooperatives on Conversion Issues was released; 54 information materials to ECs regarding RA 10531 were issued; conversion to keep the ECs abreast with the competitive market were conducted and other related energy saving tips and Amendments of the By-Laws of Moresco II, Capelco, Fibeco, Zamsureco II and Penelco were evaluated.

In its commitment to attain the objectives of the SEP, IDD monitored the number of households benefitted by SEP.

Likewise, the conduct of consultative conference/meetings on institutional feedbacking with ISD Managers concerning NEA-EC policies and industry development were undertaken in 49 ECs.

The following Institutional advisories/memoranda were formulated and issued to ECs in 2016:

DATE OF ISSUANCE	TITLE
<b>2016</b>	
8-Mar	COMELEC Resolution No. 10023 "Deputizing the National Electrification Administration, the National Power Corporation and the Local Electrification Cooperatives in Connection with the May 29, 2016 National and Local Elections"
11-Apr	"Amendment to Guidelines on the Conduct of District Elections - Member of Good Standing"
19-Oct	Institutional Advisory No. 25, Series of 2016 "Attendance to the 2017 National Rural Electric Cooperative Association (NRECA) Annual Meeting"
12-Dec	Advisory for all Category B and C ECs – "Priority Planning Conference for Category B and C ECs"
15-Dec	Advisory for all ECs on the "Conduct of EC Drug Tests"
15-Dec	Advisory for all ECs on the Observance of Cost Reduction/Austerity Measures"

The department also extended assistance on strengthening/ enhancing the EC Table of Organization to Moelci I, Socoteco II, Moresco I, Cotelco-PPalma, Laneco, Luelco, Surseco I, Noneco, Neeco II-A1, Soreco I, Samelco II, Camelco, Noreco II, Moresco I, Zamsureco II, Romelco, Norsamelco, Soreco II, Maselco and Lasureco.

As part of EC human resource strengthening, evaluation of 96 EC personnel policies, 43 employees' salary upgrading were done. Performance Evaluation System (PES) was held in nine (9) ECs and briefing/supervision on District Elections and related activities of five (5) ECs.

The process on the selection and hiring of an EC GM includes pre-screening, examinations, interview, and background investigation and performance validation. The latter is one of the most substantial function of the department considering that the GM, as a key official of an EC, must be highly qualified and competent to lead the cooperative towards dynamic and sustainable operations. After undergoing the process, NEA confirmed probationary appointment of GMs of nine ECs under Performance Management Contract (PMC).

Meanwhile, permanent appointment of GMs of six ECs were confirmed. The designation of seven OICs and six NEA-designated PS/AGMs/NEA Representatives to the Board of Directors were also confirmed to provide additional assistance for the progress of the EC operation sustainability.

ECs requests for Salary Upgrading of 39 GMs were evaluated and approved by the NEA Administrator. Moreover, retirement/extension of service of 12 GMs were likewise processed and evaluated.

IDD's accomplishments showed that 969 Board Resolutions were processed which includes EC incentives, allowances and other benefits, complaints/conflicts, clarifications, queries and communications from ECs, other government agencies, NGOs and other institutions.





With today's globally competitive power industry, the need for trained officials and employees has never been greater. Pursuant to its mandate, NEA is committed on enhancing the skills of the agency as well as its partner ECs, and is ever striving to raise the standard of competency to ensure the delivery of quality service for the benefit of the member-consumer-owners (MCOs).

NEA concluded the year 2016 with the successful conduct of 71 certification and training programs attended by 3,578 officials and employees from the different ECs nationwide. Driving information dissemination on all sectors, NEA also organized fora, dialogues, and consultations together with concerned agencies which were attended by a total of 1,583 EC representatives.

Certified by and in partnership with the Technical Education and Skills Development Authority (TESDA), among the courses conducted by NEA were trainings for the enhancement of skills of 343 EC linemen further increasing the support for the development of rural electrification.

Likewise, NEA continually promoted the professional growth of the Agency's internal human resources with the coordination of a total of 61 local and international trainings and scholarships for 811 NEA officials and employees.

### Ladderized Training Programs

To ensure the ECs' top management is up to par with the industry standards, NEA coordinated annual ladderized training programs to develop and upgrade the core competencies of Board of Directors and General Managers.

Two batches of the Cooperative Management Course I & III and Good Governance were conducted on 4-8 April 2016 and 10-15 October 2016 at the Cebeco III Compound, Toledo City with a total of 162 graduates from different ECs nationwide. Spearheaded by former NEA Administrator and Presidential Adviser Fr. Francisco G. Silva, the course is designed to prepare new leaders to understand the operation and management of ECs, and enhance their decision-making skills.

A total of 143 EC leadership representatives attended the Cooperative Management Course II in three batches. CMC II focuses on Entrepreneurial Management and is designed for the participants to further appreciate the importance of strategic planning in charting the course of the cooperative to provide better service to the MCOs. on 05-07 June 2016, 05-07 July 2016, and 20-22 September 2016 at the Penelco HQ, Bataan for the first two batches and Davao City for the third.

Aiming to further equip ECs' chief management with the latest knowledge, relevant tools, and leadership skills, the Executive Series was successfully completed by 84 EC General Managers and OICs in attendance.

The Electric Power Industry Reform Act (EPIRA) Series, conducted in partnership with the University of the Philippines – National Engineering Center (UP-NEC) saw the participation and graduation of 659 EC leadership members. It aims to further equip the policy decision makers of ECs with the laws and trends in operations and management in the electric power industry



Ladderized Programs offered for EC Top Management





**International Trainings and Engagements**

**Report on EC Safety Programs and Health Standards**



In partnership with foreign counterparts and organizations such as the Sustainable Energy Association of Singapore (SEAS), EU-Assisted Access to Sustainable Energy Programme Technical Assistance (EU ASEP TA), and The Institute of Energy Economics Japan (IEEJ), the Agency coordinated its attendance to 15 foreign trainings and conferences for the year.

This exposure to global arena is not only important for networking and boosting the brand awareness of the Agency and its partner ECs but is also an integral avenue for exchanging best practices with international organizations concerning rural electrification and how it may be applied on our local context.

**Foreign engagements of note**

Solar Roadmap Workshop for Policy Makers held at the Pan Pacific, Singapore on 01-05 August 2016

Philippines-Japan Small Scale Hydropower Workshop 2016 held at Takamatsu and Tokyo, Japan on 31 October – 4 November 2016

Training Programme on Developing Project Proposals on Climate Change Mitigation held at Pathumtani, Thailand on 12-16 December 2016

Based on the Memorandum to all ECs dated 09 October 2016 regarding the status of Safety Programs and Health Standards covering January 2012 to June 2015, the Agency came up with a report to determine and ensure EC compliance with the safety rules and regulations under NEA Bulletin No. 20, Presidential Decree 442, Book IV, Article 162 of the Labor Code of the Philippines Occupational Safety and Health Standards, R.A. 9136 – Power Industry Act, and the Philippine Distribution Code.

Data were gathered from 61 ECs who responded to the study. According to the report, all ECs who submitted their data were found aware and complying with the industry’s safety standards. However, there are still dangers that our EC personnel encounter on the field.

Based on the results, vehicular accidents had the most common occurrence with 273 instances reported within the period covered followed by electrical accidents and then risk of animal bites. Other incidents include the danger of falling objects, fire burns, slips, and mechanical accidents.

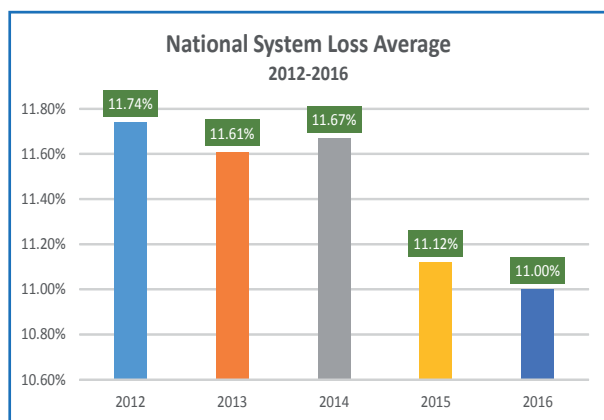
Recommendations and strategic plans through capacity building were included in the report to address the issues found on the survey. The report is slated as the first step towards realising a more comprehensive policy for EC personnel safety.



For the furtherance of NEA's mandate of promoting sustainable development in rural areas through country electrification, the Engineering Department continued to take part, led and engaged in projects undertaken by NEA's stakeholders. Vanguard in leading new development, the Engineering Department played a vital role in assessing and evaluating technical parameters describing the ECs' technical operations, contributed in monitoring efforts, and collaborated with both government and private institutions in order to implement projects that benefitted the member consumers.

## Monitoring of EC Technical Parameters

This year's national system loss is 11% which is lower than the 13% cap for ECs set by the Energy Regulatory Commission (ERC). It is also lower than the 11.12% system loss posted by the ECs in 2015 target by the (NEA). This reduction in system loss reduced the pass-on charges by the ECs to the electricity consumers by PhP 26,772,661.13 nationwide.



For the 11 million-billed consumers served by the ECs, the System Average Interruption Frequency Index (SAIFI) is 13.71 interruptions per consumer per year which better compared to the standard of 25 interruptions per consumer per year.

The System Average Interruption Duration Index (SAIDI) is 1,121.23 minutes per consumer per customer per year which is better compared to the standard 2,700 minutes per consumer per year prescribed by the EC-DU Planning Manual.

The implication of the SAIFI and SAIDI values of ECs means frequency of brownouts is 44% lower and the duration of brownouts is 58% shorter compared to the reliability indices standards on the ERC Resolution No.

01, Series of 2013. Considering the ERC reliability indices standards, this translates to mitigating the EC revenue losses of PHP 50.3 per consumer per year.

The length of distribution lines supplying the member-consumers is recorded at 202,368 kilometers which supplies 11,724,640 homes in 36,051 barangays. The massive network of rural distribution lines supplies electricity to more than half of the 103 Million Filipinos nationwide majority of which belong to marginalized sectors which include those working in family workshops, indigenous people, public transportation drivers, rural workers like peasants, fisher folks and farmers.

The gradual, continuous and substantive increase of primary and secondary lines can be attributed to the aggressive electrification efforts of the previous administration and to the continuous support of the Duterte administration.

Total distribution substation rated capacity is 5,950 MVA, sufficient to meet the peak demand of 3,872 MW with a reserve capacity of 1,930 MVA.

Increase in capacity of substation means lesser stress to power transformers resulting to longer economic life and lesser number of interruptions. The reduction in the number of power interruptions is not only beneficial to ordinary folks but to commercial establishments who depend on a stable power supply. The creation of these commercial establishments leads to employment opportunities to people leading to improvement in their living conditions.

## Technical Assistance

The Zamboanga Road to Rehabilitation and Recovery (Z3R) is an inter-agency initiative that aims for the development of infrastructure and recovery projects for the people affected by the military unrest known as the Zamboanga Siege in 2013. It is a concerted effort of the Local Government Unit, Department of Health, Department of Social Welfare and Development, Local Water Utilities Administration, National Housing Authority (NHA), etc. and is spearheaded by Department of Public Works and Highways (DPWH). Zamcelco with the assistance of NEA, handled the reconstruction of damaged distribution facilities located in thirty-six project sites in Barangays Sta.Catalina, Sta.Barbara, Mariki, Tulungatung, Taluksangay, and Rio Hondo in the EC's franchise area. Construction is in progress.





The popularity of submarine distribution systems in ECs is growing. In January 2016, Esamelco's 5.4km 13.2kV Single Phase XLPE Submarine System from Tubabao to Manicani Island was successfully energized and currently serves four barangays. Submarine cable systems were funded using the subsidy funding mechanism of the Barangay Line Extension Program (BLEP) of the national government.

The government funded installation of 10MVA substation in Sto. Domingo, Albay within the coverage area of Aleco is in progress. In December 2016, a public bidding for the aforementioned project was concluded and was attended by prospective contractors. The Bids and Awards Committee (BAC) and Technical Working Group (TWG) are now in the process of post qualifying the Lowest Calculated and Responsive Bid.

The 10 MVA substation will improve voltage quality and increase capacity in the municipality of Sto. Domingo, Albay. This will promote social and economic development in the area. Ice plants, fishing store facilities, commercial establishments and micro-businesses will flourish because of sufficient and reliable electricity in the area.

Engineers also visited Laneco to conduct Macro Engineering Assistance Program (MEAP). A technical audit was conducted to determine the weaknesses in the engineering operations, capacitate the engineers and assist the cooperative in the reduction of its system loss, improve reliability, and voltage quality and other technical parameters.

In line with the department's efforts to improve the quality of technical assistance offered to the ECs, various testing equipment for distribution line and substation maintenance were procured. These included winding insulation resistance testers, thermal scanners, oil insulation testers, transformer turns ratio tester, micro-ohmmeters, ultrasonic detectors, relay testers, and GPS devices. These testing equipment will be used in providing technical assistance and related activities to help financially strapped ECs who could use them for free. The absence of these equipment shall mean the ECs would resort to out-sourcing expensive services.

### Monitoring and Restoration Efforts

In the event of typhoons, monitoring efforts were organized to collect data from the affected cooperatives for the information of concerned parties like the Department of Energy (DOE), National

Disaster Risk Reduction and Management Council (NDRRMC), Office of the President (OP) and the press. Details on the extent and cost of damages, particularly on distribution facilities, were evaluated to determine the specifics of the technical and financial assistance which could be rendered to ECs. And, as the need arises, the department has been the main proponent in mobilizing Task Force Kapatid to help the calamity stricken ECs rehabilitate their damaged lines through the joint efforts of NEA, other non-affected ECs, as well as other private distribution utilities nationwide.

The Task Force Kapatid is a collaborative effort, under a presidential directive, to restore power in calamity affected areas in usually less than 30 days. It is a volunteer-based brotherhood of linemen and engineers from 121 electric cooperatives and private distribution utilities (PIOUS) around the country who toil 24/7 to restore power to household level.



The onslaught of Typhoon Nina in December 2016 disrupted the power situation in the provinces of CALABARZON, MIMAROPA, and Bicol. With the help of Task Force Kapatid Nina, comprising 1,332 linemen from 49 ECs and PIOUS, the damaged lines were repaired and power was restored in the following:

1. QUEZELCO I
2. ORMECO
3. MARELCO
4. CASURECO III
5. CASURECO IV
6. ALECO
- 7.. FICELCO

In October 2016, Typhoon Lawin left the provinces of Cagayan, Isabela, Abra, Kalinga, and portions of CAR devastated. Task Force Kapatid Lawin, consisting of 935 linemen from 56 ECs and PIOUS, was mobilized for rehabilitation works in the following ECs:

1. CAGELCO I
2. ISELCO II
3. ABRECO
4. KALCO

Through the labours of volunteer linemen, Task Force Kapatid restored electricity to Typhoon Nina and Typhoon Lawin affected provinces and brought power to 1,089,600 households benefitting more than 5 Million people.

As a proactive measure by the electric cooperatives and NEA, the ECs' Vulnerability and Risk Assessment (VRA) and Emergency Restoration Planning (ERP) was crafted with consultations with the ECs, stakeholders with the assistance from National Rural Electric Cooperative Association (NRECA) and was approved by the NEA Administrator on June 15, 2016.

The VRA serves as a decision support tool for identifying, quantifying and prioritizing the vulnerabilities associated with critical assets on an EC system in relation to identified threats. The ERP provides the efficient means to organize and utilities its resources to restore the system in the event of system wide outage resulting from natural disasters or other causes.

### **Mindanao Modular Genset Program**

A loan facility was opened to ECs for the acquisition of modular diesel generator sets by virtue of Executive Order No. 137 Series of 2013 otherwise known as "The Mindanao Modular Genset Program". Its principal objective was to augment the electricity supply during a deficit in the grid or unavailability of a bilateral contract. The program is funded by royalties from the Malampaya Deep Water Gas-to-Power project off Palawan.

The Engineering Department evaluated the Terms of Reference (TOR) prior bidding activities. The department ensured the TOR shall be compliant with existing local and international standards such as but

not limited to fuel efficiency (liters/kWh), alternator/ hydraulic details, voltage/frequency regulation and grid synchronization features. Negative experiences with previous TOR approvals was applied to new ones for the benefit of the electric cooperatives as they are new to purchasing generator sets. Strict adherence to the contract was used in the issuance of Certificate of Final Inspection and Acceptance such as the observance of penalty clauses for delayed delivery and commissioning of the generator.

Two projects under the program were completed in 2016. Daneco installed 3x1MW generator units at their main headquarters in Montevista, Province of Compostella Valley which were tested and commissioned in August 2016 and Zamcelco's 8x2MW units also were installed at their headquarters in Zamboanga City and is expected to be in January 2017.

There are on-going constructions for Aneco's 5x2MW and Moresco II's 5x2MW Modular Generator Set Program.

### **Power Task Force Election**

Engineering headed the NEA Team of the "Power Task Force Election" organized by the DOE consisted of various government and non-government offices in the power industry including NEA. The main objective of the collaboration was to ensure the readiness of the distribution systems of electricity for a stable and adequate supply during the May 9 national and local elections.

### **Japanese Grant**

On January 25, 2016, 14 units Boom Trucks donated by the Japanese Government through Japan International Cooperation Agency (JICA) were turned over to four Region VIII ECs which were devastated by Typhoon Yolanda in 2013 namely:

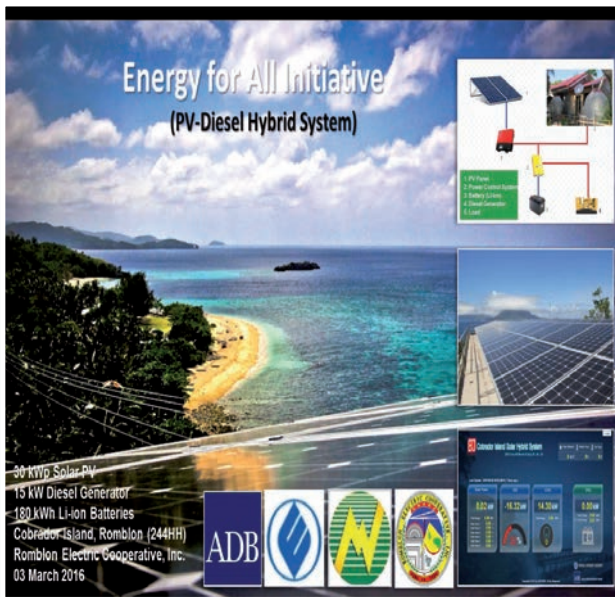
1. LEYECO II
2. DORECO
3. ESAMELCO
4. SAMELCO I
5. SAMELCO II

These donations were covered by Grant Agreement No. 1361140 "Grant Agreement for the Program for Rehabilitation and Recovery from Typhoon Yolanda between JICA and the Government of the Republic of the Philippines dated May 12, 2014.

The Engineering Department provided assistance to JICA in the preparation of the Grant Project Study, participated in the bidding process conducted in Tokyo, facilitated the release of the boom trucks at the Bureau of Customs, and coordinated the safe transport and successful turnover of the boom trucks to the beneficiaries.

The turnover ceremony was attended by high ranking officials of NEA, Province of Leyte, EC beneficiaries and JICA.





## Cobrador Island Solar PV Hybrid Power Plant

On 03 March 2016, the island of Cobrador in Romblon secured a round-the-clock electricity supply for the first time.

The NEA Office for Renewable Energy Development (NEA-ORED) provided technical assistance to the Romelco-initiated project with the support of the Asian Development Bank (ADB).

Cobrador is a small island and home to around 1,000 people. Before the project was implemented, only 110 out of 244 households were connected to the Romelco and received electricity service for just 8 hours a day.

Livelihood opportunities in the island were limited to fishing and small-scale agriculture. While the island is blessed with marble deposits, optimum development was hampered due to lack of electricity to power tools during the day. The island's pristine beaches are also attractive for tourism but maximum potential cannot be realized for lack of power supply.

The pilot project showed that diesel generation facilities may be retrofitted or hybridized with renewable energy (RE) technologies based on the availability of RE resources in the target areas, increase services from 8 hours to 24 hours and lead to the improvement of livelihood of the local populace. The implementation of the project has also lowered the tariff that the households have been paying for electricity, thereby increasing their overall purchasing power for basic needs, such as food, clothing, medicine and education.

Thus, for Cobrador, this renewable energy hybridization project definitely contributed to inclusive rural development as it directly supports the livelihood and productive activities of the local community. The hybrid system is an economic, sustainable and environmentally-friendly way of providing and enhancing energy access to rural, remote, and isolated areas. This is one of the business models that can be implemented to increase energy access and further scale up renewable energy mini-grids not only in the Philippines.

## 22kWp Rooftop Solar PV System

In line with the government's thrust of promoting the use of renewable energy technologies, the NEA, through ORED, initiated the installation of a 22kWp rooftop solar photovoltaic (PV) system in addition to the 5kWp rooftop solar PV system which was inaugurated on 02 December 2015.

The project was realized through a Build-Operate-Transfer agreement between NEA and ADON Renewables Philippines, Inc. with a cooperation period of 15 years.

22KWP ROOFTOP SOLAR PV SYSTEM	
Location	: NEA Rooftop
Date of Inauguration	: February 9, 2016
Business Model	: Build-operate-transfer
Cooperation Period	: 15 years
Design and Installation	: ADON Renewable Phils.

22 kWp Rooftop Solar PV System	
<b>Technical Specifications</b>	
DC Power Plant Capacity	22 kWp
Max AC Output	15.4 kW
Projected Power Generation	24,000 kWh
Average Annual Projected Energy Yield	24,000 kWh
Number of PV Units	72 units of 310 Wp
Module Type	Polycrystalline Module
Module Area (Total)	27.76 m <sup>2</sup> (110 sqm)
Module Area (Per Unit)	0.386 m <sup>2</sup> (1.52 sqm)
Location	NEA Rooftop
<b>CANADIAN SOLAR MODULE INFORMATION:</b>	
Model	CS6A-310P
Power	310W
MAXIMUM POWER	310W
MAXIMUM POWER CURRENT	8.68A
MAXIMUM POWER VOLTAGE	35.8V
SHORT CIRCUIT CURRENT	9.68A
OPEN CIRCUIT VOLTAGE	44.1V
<b>ENERGY INVERTER INFORMATION:</b>	
Model	EF70
NOMINAL INPUT POWER	22000 (200 MAX)
MAX. INPUT VOLTAGE	1500V AC
OPERATING DC INPUT VOLTAGE	250V DC
MAX. DC INPUT CURRENT	150A
RATED OUTPUT POWER	22000 W
OUTPUT VOLTAGE	220V AC, 200-230V AC
GRID CONNECTION TYPE	1 Phase
MAX AC OUTPUT CURRENT	100A
NOMINAL FREQUENCY RANGE	60.0/59.5/60.5 Hz

Within the year, NEA has entered into a Net-Metering agreement with Meralco. From this initiative, the Agency was able to save PhP61,380.89 from February to December 2016 or an average of PhP5,500.00 per month. The solar PV systems, though, were not in operation in October and November because of maintenance check.

Aside from being an energy efficiency initiative, the project was intended to serve as an informative example for all electric cooperatives intending to put up their own solar PV systems.

## 1 MW Sarrat Solar Farm

On 29 July, 2016, the 1-MW solar farm project in Dingras, Ilocos Norte was inaugurated.



The solar energy farm was installed in the nearly one-hectare vacant lot at the back of the main office of Inec in Suyong, town of Dingras. The farm, due to its proximity to the cooperative’s distribution system, has improved the power voltage quality, boosted the energy supply in Ilocos Norte, and has enhanced the cooperative’s system efficiency.

ORED facilitated the communication between Korean Bosung Power Philippines, Inc. (BPPI) and Inec that led to its realization. The project was consummated through a Build-Operate-Transfer agreement. Under this scheme, the contractor, BPPI, shall not be charged with rental fees for the use of the lot. However, it was agreed that the project shall be turned-over to INEC after the cooperation period of 15 years, free of charge.

### Information, Education and Communication Campaigns (IECs)

As a continuation of ORED’s mission to promote the use and benefits of renewable energy (RE) technologies among the ECs through IECs, the team facilitated and conducted two seminar-workshops on Tendering of PV-Diesel Hybrid Mini Grids in cooperation with the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH on 25-26 May 2016 and 27-28 September 2016 at the HESA, NEA Bldg., Quezon City.

The two-day seminar-workshop offered a guide from importance of renewable energy to the tendering process to selection of suppliers and to the development of terms of reference, for the benefit of our electric cooperatives and other electric distribution utilities, as well.

The workshops were attended by 241 participants comprising representatives from DOE (2), NPC (21), PNOC-RC (1), DBP (3), ERC (12), NEDA (2) NEA (24), electric cooperatives (146), and private companies (30).

## Other Significant Activities

### I. Renewable Energy Development Conferences

The demand for the use of renewable energy, has become a growing concern globally and ORED’s team members have been invited to attend and speak in a number of international conferences. Through these conferences, ORED was able to promote our government’s efforts and encourage foreign as well as local investors to participate in the deployment of renewable energy projects here in the Philippines.

The conferences attended in 2016 include:

SEMINAR TITLE	VENUE	DATE	ROLE
1 Institute of Energy Economics Japan (IEEJ)	Tokyo, Japan	07-11 March	Participant/Attendee
2 Alliance for Rural Electrification Renewable Energy Cooperation Programme ARE-RECP) Off-Grid Investors Forum 2016 Talking Business and Investment in Asia with Hybrid Mini-Grids	Amsterdam, Netherlands	11-16 April	Speaker
3 Solar Roadmap Workshop for Policy-Makers	Singapore	01-05 August	Participant/Attendee
4 International Conference on Solar Technologies and Hybrid Mini-Grids to Improve Energy Access	Germany	19-23 September	Speaker
5 3rd Annual Microgrid Global Innovations Forum 2016	Lisbon, Portugal	20-23 November	Speaker





## Audit

The ECAD amended NEA Memo No. 2007-19, Revised Guidelines for Writing-Off Worthless Consumer Accounts for Write-Off and NEA Memo No. 2005-009, Revised Guidelines on Close-Out of all completed construction project of ECs which was successfully implemented after its approval and publication in the Official Gazette.

The conduct of Financial and Management Audit is a core function of ECAD and the Department managed to accomplish audit to 28 ECs and simultaneously monitored and evaluated the improvement of their operating system. Alongside these functions, ECAD also evaluated 20 EC justifications/action plans on audit findings/recommendations and equally monitored compliance and implementation of audit recommendations/EC justifications and action plans of 12 ECs. Of these EC audit reports previously or recently finalized, 40 were transferred to an electronic file to make it readily available to other EC clients, stakeholders and other consumer groups requesting copies of the same.

For its secondary functions, ECAD evaluated 41 EC Consumer Accounts Receivable-Powerbill (CAR) for write off with a total amount of PhP161, 011,162.75. The number of ECs that submitted consumer accounts for write-off increased this year as compared to previous Year with only 25 EC submission. The said increase was brought about by the amendment of NEA Memo No. 2007-19, Revised Guidelines for Writing-Off Worthless Consumer Accounts for Write-Off. With this activity, the ECs which submitted worthless consumer accounts for write-off in 2016 were able to reflect their accurate and true financial condition. Similarly with this, ECAD also responded to 32 EC requests for disposal of their non-performing assets (NPAs) with an aggregate amount of PhP57, 365,133.75. With the proceeds of the disposed ECs' non-performing assets, they were able to produce some funds of which a portion thereof were utilized to amortize EC loans. Both of these requests from ECs pass through the approval of the NEA Administrator in various dates with their corresponding amount. Likewise, ECAD also validated 28 ECs' utilization of NEA loans and subsidy fund releases.

ECAD also equally attended to 282 queries and request of ECs and other stakeholders.

To educate, equip and train EC Board, Officials and members of the BAC and TWG on the processes of procurement, the ECAD Director, upon request

Initiatives	Targets	Accomplishments
<b>1. Banner Program</b>		
<ul style="list-style-type: none"> <li>Amendment on NEA Memo No. 2007-019, Revised Guidelines for Writing-Off Worthless Consumers Accounts Receivables</li> <li>Re-implementation of NEA Memo No. 2005-009, Revised Guidelines on Close-out of all completed construction project for ECs.</li> </ul>	2	2
<b>2. Regular Mandated Functions for Stakeholders</b>		
<ul style="list-style-type: none"> <li>Conduct of Financial and Management Audit to NEA Registered ECs</li> <li>Monitoring of Evaluation and Improvement of ECs Operating System</li> <li>Evaluation of EC Justifications/Action Plans on Audit Findings/Recommendations</li> <li>Conduct of Monitoring of Implementation of audit recommendations/EC justifications and action plans</li> <li>Evaluation Consumer Accounts Receivable for Write-Off</li> <li>Inspection and Evaluation of ECs Non-Performing Assets for Disposal</li> <li>Validation of EC utilization of NEA Subsidy Fund Releases</li> <li>Response to Queries/Request of ECs and other Stakeholders</li> <li>Membership to various Cluster and Committees</li> <li>Transfer of Audit Reports to an Electronic File</li> <li>Conduct of Seminar/Workshop on Procurement Guidelines and Simplified Bidding Procedures</li> </ul>	24 ECs 24 ECs 20 ECs 12 ECs 35 ECs 25 ECs 24 ECs 120 12 24 Reports 120 participants	28 ECs 28 ECs 22 ECs 12 ECs 41 ECs 39 ECs 28 ECs 262 14 40 180 participants
<b>3. Initiatives for Internal Process and Learning and Growth</b>		
<ul style="list-style-type: none"> <li>Fastlane Documents Average Response Time (ART)</li> <li>Regular Lane Documents Average Response Time</li> <li>Employees Trainings and Seminars Attended</li> <li>Self-help Departmental Training and Mentoring</li> <li>Average Rating of Employees - based on Individual Performance Commitment and Review (IPCR)</li> </ul>	20 hours 50 hours 28 Certificates 24 Auditors 4.00%	4.71 hours ART 40.29 hours 105 Certificates 119 Auditors 4.72%

of some ECs conducted Seminar/Workshop on Procurement Guidelines and Simplified Bidding Procedures to various EC on various dates, with a total of 180 attendees/participants to such seminar workshop. The conduct of this seminar workshop helped EC officials and employees to be more vigilant and strict in its procurements processes and lessen moto proprio AdCom cases as a consequence of adverse EC audit findings and observations.

Lastly, on learning and growth perspective, the Department employees' obtained 4.75% average performance rating based on (IPCR), with 105 competency certificates on various trainings and seminars sponsored by NEA and mentored among themselves self-help departmental training for auditors.

For Performance Year 2016, ECAD exceedingly met all its targets, through the cooperation, hard-work, teamwork and dedication of its personnel.



The Legal Services Office (LSO) continued to contribute to the successful operations of the NEA by providing the much needed legal assistance to the latter and the ECs.

### National Legal Conclave

LSO spearheaded the conduct of the 2016 NEA-EC National Legal Conclave on May 19-20, 2016 held at the Hotel Novotel, General Aguinaldo Avenue, Araneta Center, Quezon City.

The conclave has gathered 403 General Managers, Board Presidents, legal counsels, and members of the Bids and Awards Committees of 93 ECs.

It was aimed at updating the participants on EC operations under R.A. 10531 and its implementing rules and regulations; creating more awareness about the emerging trends and jurisprudence in today's energy scenarios; and further equipping the participants so as to meet the expectations and needs of the Member-Consumer-Owners (MCOs).

It was highlighted by the election of Legal Officers' association, a first for the ECs.

### Render of Legal Opinion

Legal assistance was provided to secure the NEA Board's approval for the release of the First Bank Money Market No. 1490080260 in the amount of \$243,436.85.

### ADCOM Cases

Twenty-three ADCOM cases about EC officials' misconduct, district election protests/complaints, and the like were resolved and/or dismissed.

### Inputs on Various House Bills of Congress and Senate

LSO likewise attended committee hearings in both houses to share inputs and make comments on 13 house bills that focused primarily on energy-related issues like development and use of renewable energy, measures to address electric power crisis, right-of-way clearance, illegal use electricity, theft and destruction of electric power lines, institutionalization of EC disaster management fund, uninterrupted power service, reduction of system loss and other issues.

The bills and hearing dates are as follows:

January 9	House Bill No. 4408
January 19	House Bill No. 6080
January 28	House Bill No. 6304
September 26	House Bills Nos. 1152, 1223, & 1224
September 27	House Bills Nos. 2190, 2297, 3058, 3353 & 3351
October 14	House Bill No. 3353
November 29	Senate Bills Nos. 1188 & 1058



The valuable inputs from different stakeholders, including NEA, on said house bills will be consolidated to come up with the most responsive legislations that would safeguard the interest of NEA, the ECs and the MCOs.



To strengthen NEA's system of internal control and the quality of performance in carrying out assigned responsibilities, the Internal Audit and Quality Standards Management Office (IAQSMO) assisted the NEA by providing independent and objective appraisal of all its activities through the review and evaluation of its internal control system, audit of financial/operations/compliance to processes/policies, validation of departmental scorecard accomplishments and special assignments as requested by Management/Board Audit Committee (BAC).

Various areas of audit being performed by IAQSMO as approved by the BAC were geared towards providing reasonable assurance that NEA's resources are efficiently utilized, operations are effective and compliance with mandate, policies and government regulations are properly adhered to. The following are the highlights of the audit activities undertaken:

Audit of subsidy funds released to electric cooperatives and on-site validation of sitios energized and households connected for the SEP were conducted on selected ECs as shown below:

AUDIT OF SUBSIDY FUNDS RELEASED TO ECs		
Electric Cooperative	Subsidy Funds (Php)	Sitios Energized
LUBELCO	30,114,299.08	77
SORECO I	195,939,887.46	368
CANORECO	89,448,531.21	224
<b>Total</b>	<b>315,502,717.75</b>	<b>669</b>

Audit of financial accounts were conducted on Travelling Expenses covering January 01 to March 31, 2016 and Water Expenses for the period January to June 2016 and January to June 2015 to ascertain that the payments/expenses were actually incurred, properly documented, accounted and recorded in accordance with applicable government rules and regulations and NEA policies and procedures.

Conduct of 17 compliance audit for various departments/offices and one monitoring audit totaling 18 as follows:

AREA OF AUDIT	QUANTITY
Manual of Approvals	8
NEA Citizens' Charter	6
Fast Lane Services (FLAS) Policy	4
<b>TOTAL</b>	<b>18</b>

VALIDATION OF SITIOS ENERGIZED AND HOUSEHOLD CONNECTIONS		
Electric Cooperative	Sitios Energized	Households Connected
LUBELCO	77	421
SORECO I	104	3140
CANORECO	224	1868
QUEZELCO I	205	1366
<b>Total</b>	<b>610</b>	<b>6,795</b>

Special assignments/reports on the Summary of Audit Recommendations and ECs SEP audited and Year 2013 Departmental Compliance to Processes/Policies were submitted to the requesting Office/BAC.

Reports submitted, pursuant to the instructions of the BAC, on the management compliance and responses to the 36 Audit Observation Memoranda (AOM) of the Commission on Audit (COA) which were all responded to and the audit recommendations were acted upon and/or complied with by the concerned departments.

Continued review and evaluation of the internal control system of NEA in the audit of financial/operations/compliance to processes/policies. Ensured that various documents examined, show that the Agency's internal processes established on every department/office were adequate and functioning properly.



Internal Audit  
and Quality Standards  
Management



## Competency Framework/Model

As part of this agency's 2016 Performance Agreement with the Governance Commission for Government-Owned and Controlled Corporations (GCG), a Competency Model Framework was approved by the Board of Administrators on December 1, 2016. This will serve as the foundation for the position level/classification and subsequent relevant programs for the development of continuing and sustainable competency-based human resource systems more particularly on recruitment, performance evaluation and training interventions.

## Online Career Executive Service Performance Evaluation System (CESPES) Award

Last November 28, 2016, the NEA was given a recognition along with other agencies, for efficient and timely compliance with the Online CESPES. This is an annual performance evaluation conducted by the Career Executive Service Board (CESB) for Department Manager and Deputy Administrator positions, including the Administrator. Each official is evaluated by his/her respective supervisor and subordinates, based on two (2) components: Performance and Behavioral Competence.



## Energy Efficiency Award

NEA was one of the outstanding recipients of the Energy Efficiency and Conservation in Government Building Awards given by the DOE in ceremonies held at Resorts World Manila, Pasay City on December 12, 2016 for its commendable accomplishment in conservation initiatives resulting in the realization of energy savings of around 699,204 kWh equivalent to P6,872,112.05, avoidance of 358 tons in carbon emission (CO<sub>2</sub>). A 95% rating was likewise given in its energy audit check.

## NEA No Gift Policy

An Advisory on the Reiteration of NEA's No Gift Policy was reissued. The revised NEA No Gift Policy is part of the NEA Board's Manual on Corporate

Governance. This policy is in consonance R.A. No. 6713 and Civil Service Commission(CSC) policies, as well as NEA's continuing efforts to sustain its corporate values on honesty, efficiency and solidarity, anchored on accountability, transparency and good governance.

In support to the SEP/BLEP, switchboards on Energization Ceremonies were designed and installed during the energization ceremonies held in separate schedules for various ECs in Panay Island, Neeco II Area I, Bohol, Ileco II, Misamis Oriental I and Cotabato City.

## Purified Drinking Water Service for NEA Employees

As a result of the NEA's Labor Management Consultative Council (LMCC) meeting which included the Employees' Union, the agency provided purified water service that will cater to employees' need for adequate supply and safe drinking water.

## NEA Employees Outreach Program

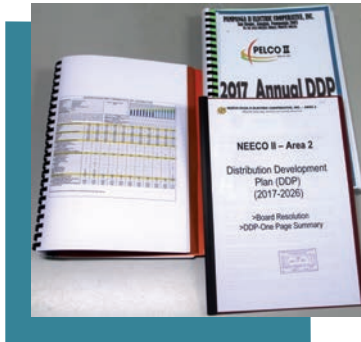
Employees supported the project entitled "One Million Lapis" of the Council for Welfare of Children (CWC) the focal government inter-agency body which monitor's the implementation and enforcement of laws to protect and promotes children's rights by virtue of Presidential Decree 603, the Child and Youth Welfare Code. The project aimed to collect one (1) million pencils to be given to underprivileged students in elementary schools. Likewise, employees also participated in the Segunda Mana Program and Can for Charity of the Caritas Manila by way of donations for Youth Servant Leadership and Education Program (YSLEP) which provided underprivileged youth with financial assistance to help them finish their studies.





## The Electric Cooperatives' Distribution Development Plan (DDP)

The Corporate Planning Office through the Rural Electrification Project Planning and Development Division (REPPDD) provided assistance to the Department of Energy (DOE) in the deliberations and workshops conducted nationwide. The DDP workshops were done in seven batches in the following venues: Iloilo City and Cebu City for the Visayas ECs; Cagayan de Oro and Zamboanga City for Mindanao ECs; and Baguio City and Mandaluyong City for Luzon ECs.



### Biennial e-ICPM

In line with NEA's supervisory and oversight functions based on the Implementing Rules and Regulations (IRR) of R.A. No. 10531, six e-ICPM workshops were held involving 13 regions and participated in by 71 ECs. Output of the workshops included the Annual Workplan of the ECs for Calendar Years 2017 and 2018.

In 2003, following the provisions of the Electric Power Industry Reform Act (EPIRA), NEA adopted reforms in improving the performance of the ECs, introducing among others, a computer software model known as the Integrated Computerized Planning Model (ICPM). This model harmonizes EC plans such as 1) Electrification Plan, 2) Long-Term Development Plan, 3) Financial Projections, 4) Institutional Development Plan, and 5) Distribution Development Plan.

The ICPM was further enhanced in 2010 in accordance with the Electric Cooperative Distribution Utility Planning Manual (EC-DUP) as approved and adopted as an integral part of ERC Resolution No. 26, s. 2009, Amending the Rules for approval of Regulated Entities' Capital Expenditure (CAPEX) Projects". Henceforth, it is known as the **enhanced-Integrated Computerized Planning Model (e-ICPM)**.

The e-ICPM provides guidance in determining an EC's financial and technical requirements to help it compete under the deregulated electricity market.

### Electrification of Sitio Makabilog through BuB

On October 25, 2016, the launching and energization of Sitio Electrification Program in Sitio Makabilog, Las Pinas, Peñaranda, Nueva Ecija was undertaken. It was organized jointly by the



Municipality of Peñaranda, NEA, NEECO II-Area 2 and DILG. The occasion served as a forum for sharing information, voicing out concerns and consultations relative to future plans and services of government for members of the community.

The Bottom-up Planning and Budgeting (BuB) is a major component of the Empowerment of the Pro-Poor Program that will enable people at the grassroots level to strengthen their organizations to become vehicles for economic engagement and effective participation in the governance process. As a member of the Regional Poverty Reduction Action Team for electrification, the BuB requires NEA, as one of the implementing agencies through Electric Cooperatives, in partnership with the Local Government Units and Civil Society Organizations to come up with a list of priority projects which will be included for funding by the National Government Agencies.

### Submission of ECs' Reportorial Requirements

In compliance with ECs' Reportorial Requirements pursuant to RA 10531 and its IRR, the Total Electrification Plan (TEP) and Distribution Development Plan of the ECs were submitted to the Department of Energy, OPASS and Committee on Compliance for CY 2016.

### Cascading the Governance Initiatives

NEA's journey through the Performance Governance System (PGS) has put in place a strong governance framework characterized by a culture with harmonized systems and processes that sustain strategy execution and cultivate values of integrity, fairness and accountability leading to the attainment of milestones and breakthrough results.

NEA continued its advocacy of cascading its governance framework, and as such 46 ECs were able to adopt the Balanced Scorecard Model as their Performance Management framework, namely:

LUZON	VISAYAS	MINDANAO
ISECO	BILECO	ZANECO
INEC	ESAMELCO	ZAMSURECO I
LUELCO	LEYECO III	ZAMSURECO II
PANELCO III	LEYECO IV	ZAMCELCO
TARELCO II	SOLECO	CAMELCO
AURELCO		BUSECO
NEECO I		FIBECO
NEECO II - Area1		MOELCI I
NEECO II - Area2		MOELCI II
PRESOCO		MORESCO II
PENELCO		DORECO
TARELCO I		SOCOTECO I
PELCO I		SOCOTECO II
PELCO II		COTELCO
ZAMECO I		ANECO
ZAMECO II		SURNECO
FLECO		
BATELEC II		
BISELCO		
ROMELCO		
LUBELCO		
MARELCO		
TIELCO		
PALECO		
SORECO II		



## NEA's migration to the ISO 9001:2015 Standard

ISO 9001:2008 certificate was issued to NEA by its certifying body (TÜV Rheinland Philippines, Inc.) on February 10, 2015 with the scope "Provision of financial, institutional and technical assistance to the ECs which in turn undertake power distribution on an area coverage basis" and validity period of February 10, 2015 until February 9, 2016.

Upon the issuance of ISO 9001:2015 Standard in September 2015, NEA decided to upgrade its Quality Management System (QMS) using the new version. OPASS facilitated the revision of the agency's QMS documents following the ISO 9001:2015 Standard which were duly approved by the Administrator for implementation starting August 1, 2016.

The Second Surveillance Audit with Upgrade to ISO 9001:2015 was conducted by TÜV Rheinland Philippines, Inc. on November 10, 2016 and the Audit Report was issued by the Audit Team on December 6, 2016. It highlights TÜV Rheinland's recommendation to award ISO 9001:2015 Certificate to NEA and indicates the positive findings, the zero (0) nonconformity, and opportunities that can contribute to the improvement of the agency's QMS. Accordingly, TÜV Rheinland issued ISO 9001:2015 certification valid from December 21, 2016 up to February 9, 2018.

## Regular Activities

For the year, OPASS prepared Compliance Report on the Performance of ECs for the third and fourth quarters of 2015, first and second quarters of 2016, and Semi-annual Report on the Initiatives and Activities on Rural Electrification for the second semester of 2015 and first semester of 2016.

The assessment of the performance of the ECs intends to determine their level of compliance to established financial and operational parameters and identify their Classification into Green, Yellow-1, Yellow-2 or Red/Ailing which serve as triggers for the intervention of the NEA in the EC operations. The Semi-annual Report, on the other hand, indicated that the NEA and the ECs were on track in attaining the mandate of total energization of all sitios, and provided loans to borrower ECs to help them strengthen their financial viability and to enable them to compete in a deregulated power industry, among others.

Likewise, OPASS was able to prepare a consolidated 2015 EC Overall Performance Assessment and Size Classification based on reports of EC operations prepared by concerned departments covering financial, institutional, technical and reportorial requirements.

## Special Studies

In line with the Policy on ECs' Resiliency Program, OPASS, in consultation with concerned departments/offices and the ECs, was able to develop and recommend a Policy on ECs' Vulnerability and Risk Assessment (VRA) and Emergency Restoration Planning (ERP). The Policy, which was approved by the NEA Board of Administrators on June 14, 2016, aims to (a) establish a process for the conduct of VRA and development of ERP; (b) mitigate calamity-related damage to the EC distribution system and facilities, and to facilitate rehabilitation/restoration of identified critical assets; and (c) ensure the EC viability through business continuity planning after the occurrence of calamities and disasters. This project was undertaken with the assistance provided by the National Rural Electric Cooperative Association (NRECA).





At the Corporate Communication and Social Marketing Office (CCSMO), the year had been a productive one in terms of promoting NEA as an institution that is fully committed to its mandate of electrifying the countryside.

Various initiatives were undertaken to increase information awareness on NEA and the Rural Electrification Program (REP) of the various publics that include the National Government, Legislative and Regulatory bodies, Media, Electric Cooperatives (ECs), and the Consumer Groups.

Among the initiatives were the production of a video documentary on the SEP. This documentary which covers the accomplishment of SEP from 2009 to 2016 depicted the successes and challenges that NEA, in partnership with the ECs, had encountered and hurdled to implement the SEP.

To boost camaraderie with other government units, NEA did collaboration projects with different agencies such as the DOE, Philippine Electricity Market Corporation (PEMC), and Philippine Association for Government Budget Administration (PAGBA) through the publication of advertorials in national dailies and souvenir programs of these agencies on their Founding Anniversaries.

NEA organized a Rural Electrification Exhibit in December 2016 as parallel activity to the celebration of the DOE's National Energy Consciousness Month. The Agency also joined the Powertrends International Exhibit in September to further enhance network with stakeholders.

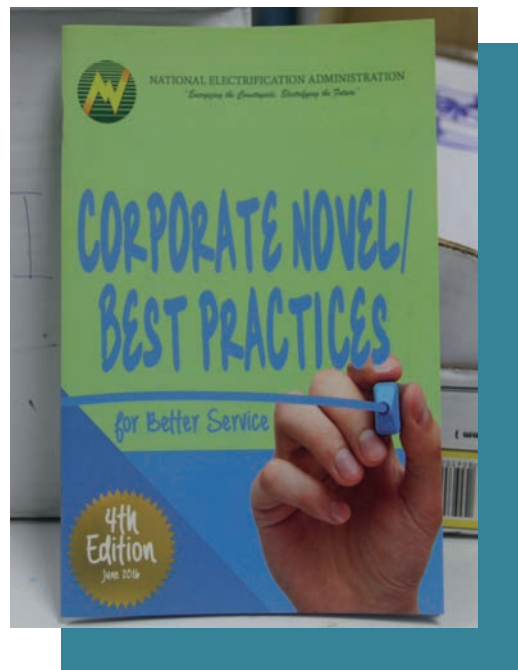
Aside from preparing in-house generated publications such as the 2015 Annual Report, EnerNEA Newsletters, corporate calendar, primers and other marketing collaterals, videos of the Agency's plans, programs and activities were uploaded in YouTube to attain wider audience reach. Likewise, said videos were also shown at the NEA TV which is prominently viewed at the NEA Lobby.

In the years to come, corporate communication will remain to be a major undertaking for the Agency as this has been envisioned as a major key to spread the information on NEA and the RE up to the grassroots level.



Another was the publication of the NEA's Corporate Best Practices Handbook which compiles all the unique office systems and practices employed by the Agency to effectively deliver its services to various stakeholders. It was done to document the Agency's adoption of good governance practices and aimed to serve as inspiration to other organizations.

Throughout the year, media releases on issues and concerns affecting NEA, the ECs and the RE Program were prepared as warranted and sent to tri-media and uploaded in the NEA website for public information.

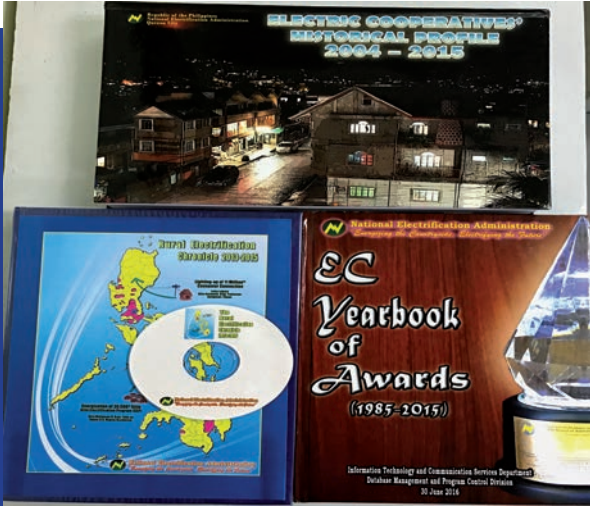


Corporate Communication



## Database Management

In the continuing effort to document ECs' status of operation and to provide ready and reliable data and information, three major publications were released: Rural Electrification Chronicle 2013-2015, EC Yearbook of Awards 1985-2015 and Electric Cooperatives' Historical Profile 2004-2015.



Along with these, the ECs' 5-Year Historical Profile (2011-2015) and ECs' Individual Fact Sheets (2015), various reports and information materials were generated and released to NEA offices and stakeholders as reference for planning, decision making and monitoring. Likewise, these information were translated into presentation modules, visuals and graphical presentations for conferences, exhibits and related activities.

On the area of total electrification, the updating of the databases on barangays and sitios was prioritized as these are vital sources of data for the next phases of the BLEP and SEP.

## Records Management

The Records Management Unit (RMU) processed and distributed 43,177 incoming documents classified into 1,902 tracked documents and 30,074 non-tracked.

For the tracked documents, 905 or 48% were handled under the Fast Lane Service with a computed average response time of 20.58 hours. This is shorter by 12.42

hours compared to the corporate target of 33 hours. Under the Regular Lane, 997 documents were processed with a computed average response time of 49.83 hours. This is shorter by 35.17 hours compared to the corporate target of 85 hours.

Also in receipt were 11,201 various documents covering 7,014 under NEA's reportorial requirements and 4,187 other reports. In compliance with Chapter III, Section 12 of Republic Act No. 10531, two annual and five monthly reports were monitored by the RMU. A compliance level of 82% was registered with the submission of 6,162 reports within the deadline and 11% or 852 reports after the deadline. Said reports are vital sources of data and information to monitor and assess the ECs' status of operation.

A total of 17,141 outgoing documents were processed and released, 14,122 through postal and private couriers, 2,678 by messengerial and 341 Memoranda, Guidelines and Advisories in e-copy via outlook and NEA Website. For documentation, 8 sets of 2015 Memoranda to ECs and NEA Office Orders were compiled and archived in book form.

As part of records management, the departmental Records Disposition Schedules (RDS) were re-visited through a series of consultations with the concerned departments. A pre-requisite for records disposal, an amended set of RDS was submitted to the National Archives of the Philippines (NAP) for review and approval.

## WB Funded NEA Web Portal, Business Intelligence (BI) and Data Warehousing

The European Union through World Bank extended financial grant to the NEA for the development of Web Portal and Business Intelligence Project. The objectives are to create a standard and uniform report format via data entry facility, to build data repository for both NEA and the ECs, and to strengthen the Agency's analytic capabilities under cloud-based application and services. The project will also ease submission of reports by the ECs and reduce multiple submission and redundant requests for data and information.

The system, which commenced in 2016, was developed by Indra, Philippines and will be implemented for two years, the system management will be turned-over to NEA on July 2019.

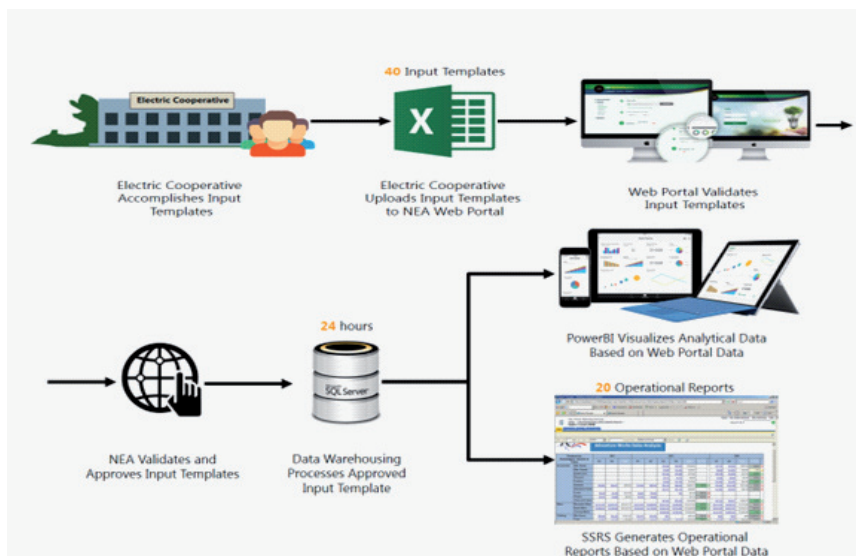
ITCSD as the lead Office for this project, assisted the developers the design, analysis-requirements and in the testing and data governance implementation.

	FAST LANE						REGULAR LANE SUMMARY					
	1ST QTR	2ND QTR	3RD QTR	4TH QTR	TOTAL/ AVERAGE	TARGET	1ST QTR	2ND QTR	3RD QTR	4TH QTR	TOTAL/ AVERAGE	TARGET
Number of documents	187	163	219	336	905	600	210	232	268	287	997	720
Average Response Time	19.55	13.52	23.77	25.49	20.58	33.00	58.86	43.02	51.88	45.57	49.83	85.00





Below is the conceptual framework for the collection of information from ECs. There will be 40 Data Entry templates, 20 Operational Reports and 51 Analytics views:



- The new compliant NEA Data Center obtained a commendable and positive remarks from ISO 9001-2015 professional Computer Information System Auditor (CISA). This was due to the use of Biometric for access and acquisition of security and Close Circuit Television (CCTV).

- In line with the enhancement of knowledge and competencies, the staff underwent on the job specialized training in basic AD System Migration, switch, router troubleshooting, ICT Technology Leadership deployment, Data Governance and Microsoft Azure specialized training in cloud & Project Management.

**Other major related ICT activities which generated high impact to the Core Business Systems of NEA, ECs & other stakeholders**

- Continued NEA Website development and enhancement to cater to the GCG, DBM's Transparency seal, other Government to

Government (G2G), business to business (B2B) requirements, ECs and other stakeholders with the publication of 172 articles/news/ advisories & other useful information about rural electrification (R.E.)

- Processed/acted 34 various ECs' ICT Board Resolutions, budget requests/ evaluation and assessment services off-site and on site to enhance the key operations, planning and acquisition, system integration and connectivity requirements of ECs.

- Provided 24 In-house developed system assistance to Human Resources and Finance departments, developed special videos for NEA and facilitated the provision of new two LED TV at the HESA for training.

- Conducted in-house semi-annual physical and logical maintenance of 420 assorted ICT equipment & 495 troubleshooting activities which generated savings to the agency (ISO-9001-2016)

- Assisted in the in-house procurement of 10 major ICT resource acquisition (ICTRA) through bidding such as application, software utilities, mandatory licenses, hardware, internet access management, other accessories and services based on the approved 2016 NEA's Annual Procurement Plan (APP);

- Provided 206 various in-house service for communication repair, audio and video system assistance during corporate events

- Transmitted e-mail messages to 120 ECs and maintained/tracked in-house messages for the monthly EC reportorial in compliance with R.A. 10531 Reportorial requirements;

- Completed Fiber Optics Connectivity (FOC) with the Department of Information and Communication Technology (DICT) to prepare NEA's connectivity with other government shared services and national interoperability projects.

**NEA Windows Server and Exchange System Migration to a globally compliant environment platform**

The global end-of-life (EOL) of Windows Server 2003 Operating & Exchange System (email) led to the ICT system migration of NEA. The migration included the establishment of a new and compliant Network Active Directory (AD) system that will provide a global shared services platform for common services, such as authentication, messaging, collaboration, and global business applications. This platform integrates new organizations into the NEA ICT infrastructure, and supplies the prerequisite that will support large scale ICT & business project in cloud such as the implementation of the WB Funded NEA Web Portal, Business Intelligence (BI) & Data Warehousing in 2017. The services of Microsoft Premier Support Engineers/experts were engaged to help provide the globally compliant infrastructure and network system platform for NEA.

**ICT In-house System Upgrading and capacitating**

- New Wireless Access Points (NEA WIFI) system installation was supervised, tested and implemented in all floors to expand, modernize, control and authenticate the NEA's WIFI system. Said initiative is in the process of testing and is targeted to be implemented in the 2nd quarter of 2017. Additional 50 nodes were provided to the new workstations for integrated voice and data.

- Precision Airconditioning System (PACU), a specialized airconditioning unit was installed to provide precise, stable environment for the NEA Data Center which houses critical and highly sensitive electronics systems to operate optimally. This is one of ISO's risk mitigation factor to maintain high availability of the NEA ICT infrastructure. Designed for close temperature and humidity control, the PACU system provides high reliability for year-round operation, with the ease of service, system flexibility and redundancy necessary to keep the technology room up and running 24 hours a day (24 X 7 X 365).

# EC PROFILE

ELECTRIC COOPERATIVES	ACRONYM	MUNICIPALITIES/ CITIES		BARANGAYS			SITIOS				CONNECTIONS		
		COVERAGE/ ENERGIZED	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	POTENTIAL	TODATE	%	UNENERG	POTENTIAL	SERVED TODATE	%
<b>REGION I (ILOCOS REGION)</b>													
1 Ilocos Norte Electric Cooperative, Inc.	INEC	23	100	557	557	100	2,915	2,915	100	0	168,000	157,065	93
2 Ilocos Sur Electric Cooperative, Inc.	ISECO	34	100	768	768	100	892	880	99	12	188,700	177,401	94
3 La Union Electric Cooperative, Inc.	LUELCO	18	100	536	536	100	1,083	1,058	98	25	144,900	140,604	97
4 Pangasinan I Electric Cooperative, Inc.	PANELCO I	9	100	192	192	100	529	507	96	22	81,700	79,820	98
5 Central Pangasinan Electric Cooperative, Inc.	CENPELCO	15	100	553	553	100	2,030	1,988	98	42	235,700	230,160	98
6 Pangasinan III Electric Cooperative, Inc.	PANELCO III	17	100	421	421	100	1,850	1,841	100	9	179,700	173,203	96
Sub-Total		116	100	3,027	3,027	100	9,299	9,189	99	110	998,700	958,253	96
<b>REGION II (CAGAYAN VALLEY)</b>													
7 Batanes Electric Cooperative, Inc.	BATANELCO	6	100	29	29	100	41	38	93	3	6,300	5,891	94
8 Cagayan I Electric Cooperative, Inc.	CAGELCO I	12	100	376	376	100	307	272	89	35	142,800	137,196	96
9 Cagayan II Electric Cooperative, Inc.	CAGELCO II	21	100	510	510	100	1,178	803	68	375	129,000	119,992	93
10 Isabela I Electric Cooperative, Inc.	ISELCO I	15	100	484	484	100	353	350	99	3	207,100	203,539	98
11 Isabela II Electric Cooperative, Inc. <sup>1</sup>	ISELCO II		100	545	545	100	369	202	55	167	158,800	133,835	84
12 Nueva Vizcaya Electric Cooperative, Inc. <sup>1</sup>	NUVELCO	15	100	275	275	100	574	297	52	277	99,200	90,080	91
13 Quirino Electric Cooperative, Inc.	QUIRELCO	6	100	150	150	100	318	270	85	48	50,600	48,867	97
Sub-Total		96	100	2,369	2,369	100	3,140	2,232	71	908	793,800	739,400	93
<b>CORDILLERA ADMINISTRATIVE REGION (CAR)</b>													
14 Abra Electric Cooperative, Inc. <sup>2</sup>	ABRECO	27	100	303	303	100	130	101	78	29	57,600	50,393	87
15 Benguet Electric Cooperative, Inc.	BENECO	14	100	269	269	100	3,092	2,449	79	643	192,000	173,102	90
16 Ifugao Electric Cooperative, Inc.	IFELCO	11	100	175	175	100	2,977	2,598	87	379	41,400	39,099	94
17 Kalinga-Apayao Electric Cooperative, Inc.	Kaelco	11	100	221	221	100	623	571	92	52	52,800	45,632	86
18 Mountain Province Electric Cooperative, Inc.	MOPRECO	10	100	144	144	100	742	633	85	109	39,300	37,470	95
Sub-Total		73	100	1,112	1,112	100	7,564	6,352	84	1,212	383,100	345,696	90
<b>REGION III (CENTRAL LUZON)</b>													
19 Aurora Electric Cooperative, Inc.	AURELCO	9	100	157	157	100	530	454	86	76	52,000	50,809	98
20 Tarlac I Electric Cooperative, Inc.	TARELCO I	15	100	421	421	100	2,003	1,984	99	19	169,500	165,788	98
21 Tarlac II Electric Cooperative, Inc.	TARELCO II	5	100	120	120	100	217	214	99	3	114,700	112,095	98
22 Nueva Ecija I Electric Cooperative, Inc.	NEECO I	5	100	95	95	100	157	155	99	2	93,700	90,291	96
23 Nueva Ecija II Electric Cooperative, Inc. - Area 1	NEECO II-Area I	10	100	291	291	100	517	517	100	0	133,800	123,205	92
Nueva Ecija II Electric Cooperative, Inc. - Area 2	NEECO II-Area II	11	100	228	228	100	240	211	88	29	108,700	102,533	94
24 San Jose City Electric Cooperative, Inc.	SAJELCO	1	100	38	38	100	39	8	21	31	34,500	32,799	95
25 Pampanga Rural Electric Service Coop., Inc.	PRESKO	-	-	34	34	100	12	12	100	0	21,400	21,129	99
26 Pampanga I Electric Cooperative, Inc.	PELCO I	6	100	112	112	100	216	215	100	1	106,600	104,902	98
27 Pampanga II Electric Cooperative, Inc.	PELCO II	7	100	175	175	100	1,026	1,023	100	3	167,300	163,969	98
28 Pampanga III Electric Cooperative, Inc.	PELCO III	6	100	95	95	100	20	20	100	0	75,700	72,494	96
29 Peninsula Electric Cooperative, Inc.	PENELCO	12	100	241	241	100	411	411	100	0	186,500	184,275	99
30 Zambales I Electric Cooperative, Inc.	ZAMECO I	6	100	118	118	100	177	164	93	13	64,000	62,445	98
31 Zambales II Electric Cooperative, Inc.	ZAMECO II	7	100	111	111	100	215	180	84	35	82,200	80,230	98
Sub-Total		100	100	2,236	2,236	100	5,780	5,568	96	212	1,410,600	1,366,964	97



ELECTRIC COOPERATIVES	ACRONYM	MUNICIPALITIES/CITIES		BARANGAYS			SITIOS				CONNECTIONS			
		COVERAGE/ ENERGIZED	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	UNENERG	POTENTIAL	SERVED TODATE	%	
<b>REGION IV-A (CALABARZON)</b>														
32	First Laguna Electric Cooperative, Inc.	FLECO	11	100	164	164	100	697	633	91	64	68,900	66,493	97
33	Batangas I Electric Cooperative, Inc.	BATELEC I	12	100	366	366	100	744	735	99	9	174,300	169,847	97
34	Batangas II Electric Cooperative, Inc.	BATELEC II	17	100	482	482	100	1,732	1,607	93	125	293,300	291,250	99
35	Quezon I Electric Cooperative, Inc.	QUEZELCO I	23	100	805	805	100	2,332	2,106	90	226	183,600	168,727	92
36	Quezon II Electric Cooperative, Inc.	QUEZELCO II	8	100	129	128	99	960	858	89	102	40,200	35,378	88
	Sub-Total		71	100	1,946	1,945	99	6,465	5,939	92	526	760,300	731,695	96
<b>MIMAROPA REGION</b>														
37	Lubang Electric Cooperative, Inc.	LUBELCO	2	100	25	25	100	141	141	100	0	9,700	7,857	81
38	Occidental Mindoro Electric Cooperative, Inc.	OMECCO	9	100	138	138	100	1,180	924	78	256	81,300	77,894	96
39	Oriental Mindoro Electric Cooperative, Inc.	ORMECO	15	100	426	426	100	3,914	3,134	80	780	199,200	197,195	99
40	Marinduque Electric Cooperative, Inc.	MARELCO	6	100	218	218	100	404	386	96	18	53,900	53,402	99
41	Tablas Electric Cooperative, Inc.	TIELCO	10	100	112	112	100	808	757	94	51	39,950	39,660	99
42	Romblon Electric Cooperative, Inc.	ROMELCO	5	100	83	83	100	633	551	87	82	28,600	22,994	80
43	Busuanga Electric Cooperative, Inc.	BISELCO	4	100	61	61	100	127	119	94	8	16,300	13,779	85
44	Palawan Electric Cooperative, Inc.	PALECO	19	100	371	371	100	1,363	551	40	812	215,000	128,791	60
	Sub-Total		70	100	1,434	1,434	100	8,570	6,563	77	2,007	643,950	541,572	84
<b>REGION V (BICOL REGION)</b>														
45	Camarines Norte Electric Cooperative, Inc.	CANORECO	12	100	273	273	100	519	456	88	63	121,800	113,113	93
46	Camarines Sur I Electric Cooperative, Inc.	CASURECO I	10	100	287	287	100	689	564	82	125	80,300	75,984	95
47	Camarines Sur II Electric Cooperative, Inc.	CASURECO II	10	100	259	259	100	409	341	83	68	120,900	117,538	97
48	Camarines Sur III Electric Cooperative, Inc.	CASURECO III	7	100	229	229	100	63	55	87	8	84,800	75,646	89
49	Camarines Sur IV Electric Cooperative, Inc.	CASURECO IV	9	100	258	258	100	848	567	67	281	68,900	60,625	88
50	Albay Electric Cooperative, Inc.	ALECO	18	100	720	718	99	348	246	71	102	254,700	233,279	92
51	Sorsogon I Electric Cooperative, Inc.	SORECO I	8	100	253	253	100	1,478	1,312	89	166	81,900	77,869	95
52	Sorsogon II Electric Cooperative, Inc.	SORECO II	7	100	288	288	100	407	338	83	69	85,200	83,902	98
53	First Catanduanes Electric Cooperative, Inc.	FICELCO	11	100	315	315	100	157	152	97	5	56,400	54,797	97
54	Masbate Electric Cooperative, Inc.	MASELCO	15	100	434	434	100	1,799	1,322	73	477	99,500	68,644	69
55	Ticao Island Electric Cooperative, Inc.	TISELCO	4	100	72	72	100	219	103	47	116	15,400	12,731	83
	Sub-Total		111	100	3,388	3,386	99	6,936	5,456	79	1,480	1,069,800	974,128	91
	TOTAL LUZON		637	100	15,512	15,509	99	47,754	41,299	86	6,455	6,060,250	5,657,708	93
<b>REGION VI (WESTERN VISAYAS)</b>														
56	Aklan Electric Cooperative, Inc.	AKELCO	19	100	380	379	99	1,031	960	93	71	131,600	128,669	98
57	Antique Electric Cooperative, Inc.	ANTECO	16	100	537	537	100	1,504	1,195	79	309	109,100	103,936	95
58	Capiz Electric Cooperative, Inc.	CAPELCO	17	100	473	473	100	1,266	1,123	89	143	166,800	159,184	95
59	Iloilo I Electric Cooperative, Inc.	ILECO I	15	100	794	794	100	1,910	1,803	94	107	152,800	149,519	98
60	Iloilo II Electric Cooperative, Inc.	ILECO II	15	100	587	587	100	2,517	2,430	97	87	130,600	124,177	95
61	Iloilo III Electric Cooperative, Inc.	ILECO III	13	100	340	340	100	1,577	1,453	92	124	88,800	83,733	94
62	Guimaras Electric Cooperative, Inc.	GUIMELCO	5	100	98	98	100	647	571	88	76	33,700	31,011	92
	Sub-Total		100	100	3,209	3,208	99	10,452	9,535	91	917	813,400	780,229	96



ELECTRIC COOPERATIVES	ACRONYM	MUNICIPALITIES/CITIES		BARANGAYS			SITIOS				CONNECTIONS			
		COVERAGE/ ENERGIZED	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	UNENERG	POTENTIAL	SERVED TODATE	%	
<b>NEGROS ISLAND REGION (NIR)</b>														
63	Northern Negros Electric Cooperative, Inc.	NONECO	9	100	196	196	100	2,849	2,404	84	445	161,100	149,406	93
64	Central Negros Electric Cooperative, Inc.	CENECO	6	100	158	158	100	501	320	64	181	226,000	215,989	96
65	Negros Occidental Electric Cooperative, Inc.	NOCECO	17	100	308	308	100	3,083	2,356	76	727	191,600	179,026	93
66	Negros Oriental I Electric Cooperative, Inc.	NORECO I	11	100	285	285	100	1,936	1,747	90	189	91,700	78,666	86
67	Negros Oriental II Electric Cooperative, Inc.	NORECO II	14	100	272	272	100	1,840	1,325	72	515	160,700	148,919	93
	Sub-Total		57	100	1,219	1,219	100	10,209	8,152	80	2,057	831,100	772,006	93
<b>REGION VII (CENTRAL VISAYAS)</b>														
68	Bantayan Electric Cooperative, Inc.	BANELCO	3	100	49	49	100	411	380	92	31	27,900	27,312	98
69	Cebu I Electric Cooperative, Inc.	CEBECO I	18	100	366	366	100	3,336	2,920	88	416	142,600	140,756	99
70	Cebu II Electric Cooperative, Inc.	CEBECO II	13	100	323	323	100	2,505	2,459	98	46	157,400	155,530	99
71	Cebu III Electric Cooperative, Inc.	CEBECO III	5	100	134	134	100	1,365	1,365	100	0	97,200	96,700	99
72	Province of Siquijor Electric Cooperative, Inc.	PROSIELCO	6	100	134	134	100	773	674	87	99	27,000	25,218	93
73	Camotes Electric Cooperative, Inc.	CELCO	4	100	56	56	100	358	346	97	12	23,100	21,266	92
74	Bohol I Electric Cooperative, Inc.	BOHECO I	26	100	603	603	100	3,598	3,598	100	0	162,000	154,406	95
75	Bohol II Electric Cooperative, Inc.	BOHECO II	21	100	491	491	100	3,108	2,984	96	124	137,600	132,253	96
	Sub-Total		96	100	2,156	2,156	100	15,454	14,726	95	728	774,800	753,441	97
<b>REGION VIII (EASTERN VISAYAS)</b>														
76	Don Orestes Romualdez Electric Cooperative, Inc.	DORELCO	13	100	499	499	100	613	432	70	181	78,600	64,602	82
77	Leyte II Electric Cooperative, Inc.	LEYECO II	3	100	196	196	100	127	126	99	1	68,600	60,903	89
78	Leyte III Electric Cooperative, Inc.	LEYECO III	9	100	285	285	100	312	249	80	63	52,900	51,945	98
79	Leyte IV Electric Cooperative, Inc.	LEYECO IV	6	100	245	245	100	1,284	1,192	93	92	78,200	76,231	97
80	Leyte V Electric Cooperative, Inc.	LEYECO V	12	100	414	414	100	1,578	1,129	72	449	129,500	115,002	89
81	Southern Leyte Electric Cooperative, Inc.	SOLECO	19	100	500	500	100	1,995	1,802	90	193	99,600	97,644	98
82	Biliran Electric Cooperative, Inc.	BILECO	7	100	117	117	100	270	261	97	9	34,300	34,066	99
83	Northern Samar Electric Cooperative, Inc.	NORSAMELCO	24	100	569	569	100	455	233	51	222	103,200	68,982	67
84	Samar I Electric Cooperative, Inc.	SAMELCO I	10	100	427	427	100	137	111	81	26	65,500	58,675	90
85	Samar II Electric Cooperative, Inc.	SAMELCO II	16	100	524	524	100	1,666	1,449	87	217	83,500	76,201	91
86	Eastern Samar Electric Cooperative, Inc.	ESAMELCO	23	100	596	596	100	811	405	50	406	93,300	90,135	97
	Sub-Total		142	100	4,372	4,372	100	9,248	7,389	80	1,859	887,200	794,386	90
	<b>TOTAL VISAYAS</b>		<b>395</b>	<b>100</b>	<b>10,956</b>	<b>10,955</b>	<b>99</b>	<b>45,363</b>	<b>39,802</b>	<b>88</b>	<b>5,561</b>	<b>3,306,500</b>	<b>3,100,062</b>	<b>94</b>
<b>REGION IX (ZAMBOANGA PENINSULA)</b>														
87	Zamboanga del Norte Electric Cooperative, Inc.	ZANECO	23	100	585	585	100	2,481	1,755	71	726	149,600	112,282	75
88	Zamboanga del Sur I Electric Cooperative, Inc.	ZAMSURECO I	25	100	628	628	100	2,931	2,192	75	739	164,000	122,433	75
89	Zamboanga del Sur II Electric Cooperative, Inc.	ZAMSURECO II	23	100	558	558	100	3,151	2,123	67	1,028	149,900	115,611	77
90	Zamboanga City Electric Cooperative, Inc.	ZAMCELCO	1	100	94	94	100	819	698	85	121	192,500	134,940	70
	Sub-Total		72	100	1,865	1,865	100	9,382	6,768	72	2,614	656,000	485,266	74



ELECTRIC COOPERATIVES	ACRONYM	MUNICIPALITIES/ CITIES		BARANGAYS			SITIOS				CONNECTIONS			
		COVERAGE/ ENERGIZED	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	POTENTIAL	ENERGIZED/ COMPLETED TODATE	%	UNENERG	POTENTIAL	SERVED TODATE	%	
<b>REGION X (NORTHERN MINDANAO)</b>														
91	Misamis Occidental I Electric Cooperative, Inc.	MOELCI I	8	100	227	227	100	321	307	96	14	59,300	57,493	97
92	Misamis Occidental II Electric Cooperative, Inc.	MOELCI II	8	100	253	253	100	311	282	91	29	90,700	84,351	93
93	Misamis Oriental I Rural Electric Service Cooperative, Inc.	MORESCO I	10	100	155	155	100	1,498	1,403	94	95	92,200	87,666	95
94	Misamis Oriental II Rural Electric Service Cooperative, Inc.	MORESCO II	12	100	269	269	100	1,476	1,187	80	289	89,800	73,684	82
95	First Bukidnon Electric Cooperative, Inc.	FIBECO	13	100	303	303	100	3,158	2,501	79	657	173,100	143,979	83
96	Bukidnon II Electric Cooperative, Inc.	BUSECO	10	100	171	171	100	1,576	1,244	79	332	112,100	94,262	84
97	Camiguin Electric Cooperative, Inc.	CAMELCO	5	100	58	58	100	950	928	98	22	22,300	21,333	96
98	Lanao del Norte Electric Cooperative, Inc.	LANECO	19	100	407	407	100	1,166	855	73	311	121,300	92,338	76
	Sub-Total		85	100	1,843	1,843	100	10,456	8,707	83	1,749	760,800	655,106	86
<b>REGION XI (DAVAO REGION)</b>														
99	Davao Oriental Electric Cooperative, Inc.	DORECO	11	100	183	183	100	1,296	1,151	89	145	110,900	100,043	90
100	Davao del Norte Electric Cooperative, Inc.	DANECO	18	100	376	376	100	2,236	752	34	1,484	245,300	186,960	76
101	Davao del Sur Electric Cooperative, Inc.	DASURECO	15	100	337	337	100	4,701	3,264	69	1,437	206,500	162,967	79
	Sub-Total		44	100	896	896	100	8,233	5,167	63	3,066	562,700	449,970	80
<b>REGION XII (SOCCSKSARGEN)</b>														
102	North Cotabato Electric Cooperative, Inc.	COTELCO	12	100	348	348	100	2,743	2,270	83	473	167,000	148,626	89
	PPALMA-COTELCO	P-PALMA	6	100	195	195	100	1,332	1,012	76	320	80,800	52,071	64
103	South Cotabato I Electric Cooperative, Inc.	SOCOTECO I	10	100	172	172	100	1,773	1,427	80	346	164,000	112,773	69
104	South Cotabato II Electric Cooperative, Inc.	SOCOTECO II	10	100	205	205	100	2,720	2,014	74	706	303,500	185,434	61
105	Sultan Kudarat Electric Cooperative, Inc.	SUKELCO	17	100	311	311	100	2,918	1,987	68	931	180,800	110,303	61
	Sub-Total		55	100	1,231	1,231	100	11,486	8,710	76	2,776	896,100	609,207	68
<b>AUTONOMOUS REGION IN MUSLIM MINDANAO (ARMM)</b>														
106	Tawi-Tawi Electric Cooperative, Inc. <sup>2</sup>	TAWELCO	9	100	186	186	100	355	242	68	113	47,400	13,110	28
107	Siasi Electric Cooperative, Inc. <sup>3</sup>	SIASELCO	2	100	66	66	100	76	41	54	35	13,600	4,258	31
108	Sulu Electric Cooperative, Inc.	SULECO	16	100	330	330	100	83	68	82	15	86,100	26,863	31
109	Basilan Electric Cooperative, Inc. <sup>1</sup>	BASELCO	14	100	269	269	100	247	191	77	56	76,550	44,016	57
110	Cagayan de Sulu Electric Cooperative, Inc. <sup>4</sup>	CASELCO	2	100	17	17	100	26	0	0	26	5,300	2,876	54
111	Lanao del Sur Electric Cooperative, Inc. <sup>5</sup>	LASURECO	41	100	1,175	1,175	100	67	67	100	0	140,000	56,357	40
112	Maguindanao Electric Cooperative, Inc. <sup>4</sup>	MAGELCO	30	100	404	398	99	1,235	746	60	489	116,500	35,836	31
	Sub-Total		114	100	2,447	2,441	99	2,089	1,355	65	734	485,450	183,316	38
<b>CARAGA</b>														
113	Agusan del Norte Electric Cooperative, Inc.	ANECO	12	100	253	253	100	2,113	2,046	97	67	161,300	160,993	99
114	Agusan del Sur Electric Cooperative, Inc.	ASELCO	14	100	314	314	100	2,699	2,479	92	220	146,600	142,575	97
115	Surigao del Norte Electric Cooperative, Inc.	SURNECO	12	100	203	203	100	300	279	93	21	81,900	76,440	93
116	Siargao Electric Cooperative, Inc.	SIARELCO	9	100	132	132	100	227	227	100	0	32,100	30,695	96
117	Dinagat Islands Electric Cooperative, Inc.	DIELCO	7	100	100	100	100	181	164	91	17	29,500	25,394	86
118	Surigao del Sur I Electric Cooperative, Inc.	SURSECO I	5	100	112	112	100	603	504	84	99	77,200	74,400	96
119	Surigao del Sur II Electric Cooperative, Inc.	SURSECO II	14	100	197	197	100	1,271	1,186	93	85	79,100	73,508	93
	Sub-Total		73	100	1,311	1,311	100	7,394	6,885	93	509	607,700	584,005	96
	<b>TOTAL MINDANAO</b>		443	100	9,593	9,587	99	49,040	37,592	77	11,448	3,968,750	2,966,870	75
	<b>T O T A L</b>		1,475	100	36,061	36,051	99	142,157	118,693	83	23,464	13,335,500	11,724,640	88

reports on hmc as of :

1 Nov2016                      3 Aug 2015                      5 Aug 2008  
2 Aug 2016                      4 Sep2016

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