



National Electrification Administration

"Energizing the countryside, electrifying the future"

THE NEA-SUPERVISED COUNTRYWIDE ELECTRIFICATION PROGRAM

5th Consultative Session with Electrical Manufacturers, Suppliers and Project Contractors of ECs

Quezon City Sports Club

26 February 2016



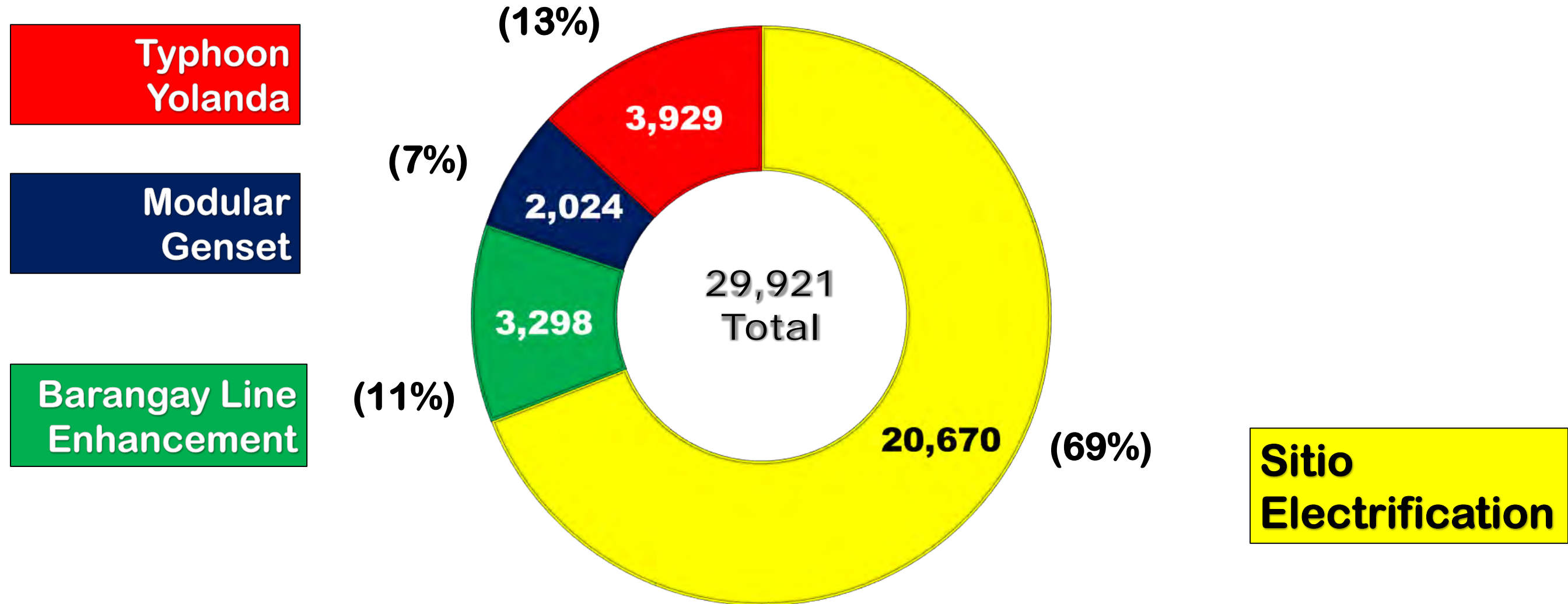
flow of presentation . . .

- Rural electrification program status
 - Subsidy Released by NG
 - SEP Status
 - Installed Materials during Implementation
- Other Major Initiatives
 - Technical Services and Support
 - Renewable Energy Development



TOTAL SUBSIDY RECEIVED FROM THE NATIONAL GOVERNMENT

2011 to 2015
(PhP M)



PRESIDENT AQUINO'S PRIORITY PROJECT SITIO ELECTRIFICATION PROGRAM

TARGET : 32,441
ACCOMPLISHED : 30,874 (October 2011 to 2015)

YEAR	TARGETS	ACCOMPLISHMENTS	
		FOR THE YEAR	CUMULATIVE TOTAL
Baseline Number of Unenergized Sitios (June 2011)		32,441	
Oct – Dec 2011	1,410	1,520	1,520
2012	6,007	6,163	7,683
2013	5,831	5,263	12,946
2014	7,073	7,567	20,513
2015	7,092	10,361	30,874
Jan - Mar 2016	1,567*		

***Remaining balance after accelerated sitio energization with an earlier target of 5,028 sitios**



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PRESIDENT AQUINO'S PRIORITY PROJECT SITIO ENERGIZATION PROGRAM

As of 31 December 2015

TARGET: 32,441 SITIOS

TOTAL	30,874	95.17%
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	PERIOD	AVERAGE
ANNUAL	4.25 years	7,264
QUARTER	17 quarters	1,816
MONTH	51 months	605
DAY	1,553 days	20

PRESIDENT AQUINO'S PRIORITY PROJECT SITIO ELECTRIFICATION PROGRAM

TARGET : 32,441

ACCOMPLISHED: 31,864 (October 2011 to February 23, 2016)

YEAR	TARGETS	ACCOMPLISHMENTS	
		FOR THE YEAR	CUMULATIVE TOTAL
Baseline Number of Unenergized Sitios (June 2011)		32,441	
Oct – Dec 2011	1,410	1,520	1,520
2012	6,007	6,163	7,683
2013	5,831	5,263	12,946
2014	7,073	7,567	20,513
2015	7,092	10,361	30,874
Jan – March 2016	1,567*	990	31,864

NOTE: * Remaining balance after accelerated sitio energization with an earlier target of 5,028 sitios
There are still 577 unenergized sitios for implementation until end of March 2016



PRESIDENT AQUINO'S PRIORITY PROJECT SITIO ENERGIZATION PROGRAM

As of 23 February 2016

TARGET: 32,441 SITIOS

TOTAL	31,864	98.22%
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	PERIOD	AVERAGE
ANNUAL	4.40 years	7,242
QUARTER	17.58 quarters	1,813
MONTH	52.75 months	604
DAY	1,607 days	20

PRESIDENT AQUINO's PRIORITY PROJECT BARANGAY LINE ENHANCEMENT PROGRAM

TARGET : 1,030
ACCOMPLISHED : 699 (October 2011 to February 15, 2016)

YEAR	TARGETS	ACCOMPLISHMENTS	
		FOR THE YEAR	CUMULATIVE TOTAL
Baseline Number of barangays for enhancement			1,030
2011 - 2012	227	227	803
2013	118	118	685
2014	181	181	504
2015	230	164	340
2016	176	9	331
2017	98		

NOTE: * Remaining balance for enhancement : 699 barangays

PRESIDENT AQUINO's PRIORITY PROJECT TOTAL CONSUMER CONNECTIONS

Consumer Connections (July 2010 – December 2015) : 2,515,193

	PERIOD	AVERAGE
ANNUAL	5.5 years	457,308
QUARTER	22 quarters	114,327
MONTH	66 months	38,109
DAY	2,010 days	1,251

TOTAL SERVED (As of 31 December 2015) : 11.174 MILLION

CONSUMER CONNECTION MILESTONES. . .



Mrs. Susan Montefalcon

7 MILLIONTH
Manolo Fortich, Bukidnon
BUSECO
2005



Mrs. Teresita Pacayra

8 MILLIONTH
Calbiga, Samar
SAMELCO II
2008



Mrs. Shella Marie Agbayani

9 MILLIONTH
Santa Ana, Cagayan
CAGELCO II
2011



Mrs. Elena Lagumbay

10 MILLIONTH
Bato, Leyte
LEYECO IV
2013



Ms. Luisa Laguyo

11 MILLIONTH
Hungduan, Ifugao
IFELCO
2015

Installed Materials for SEP and BLEP (2011 to 2015)

Material Description	2011		2012		2013		2014		2015		TOTAL		Ave Cost (PhP)
	Quantity	Amount (PhPM)	Quantity	Amount (PhPM)	Quantity	Amount (PhPM)	Quantity	Amount (PhPM)	Quantity	Amount (PhPM)	Quantity	Amount (PhPM)	
I. Poles (pcs)													
a. 30 Footer	12,135	123.83	31,620	322.65	26,430	269.69	154,960	1,530.85	210,680	2,370.15	435,825	4,617.17	10,594.09
b. 35 Footer	28,315	360.08	73,780	938.25	61,670	784.25	116,220	1,515.39	158,010	2,212.14	437,995	5,810.11	13,265.24
II. Conductor (kms)													
a. #1/0 ACSR	5,903	0.23	16,324	0.63	13,827	0.53	71,282	2.15	96,913	3.29	204,249	6.83	33.44
b. #1/0 Duplex Wire	837	0.03	2,182	0.16	1,824	1.13	17,820	1.29	24,228	1.82	46,891	4.43	94.47
c. #6 Duplex Wire	73	0.00	190	0.00	159	0.00	5,811,000	120.69	7,900,500	173.81	13,711,922	294.50	21.48
III. Transformer													
a. 10 KVA	446	21.48	1,456	70.09	1,274	61.31	1,720	99.76	2,338	135.60	7,234	388.24	53,669.34
b. 15 KVA	1,250	75.71	4,076	246.99	3,566	216.07	4,815	332.24	6,546	451.67	20,253	1,322.68	65,308.05
c. 25 KVA	89	6.61	291	21.57	255	18.87	344	28.55	468	38.84	1,447	114.44	79,090.53
IV. KwH Meters	107,100	94.54	349,380	308.42	305,640	269.80	193,700	193.70	263,350	263.35	1,219,170	1,129.81	926.70
V. Various HW		310.67		653.61		491.54		1,667.45		1.799.78		3,123.27	
TOTAL												16,811.49	

Emerging Sitios

What to do?

Launching of Sitio Electrification Program Phase II

- Major objective: Energization of **16,200** emerging sitios
- Planning activities
 - ✓ Preparation of the list of the 16,200 emerging sitios
 - ✓ Take into consideration the geographical location of sitios
 - ✓ Secure Barangay Certification to ensure that the sitio really exists

Other Major Initiatives

Submarine Cable

Initiatives: Construction in 19 barangays under BLEP = PhP 590 M

LUZON			VISAYAS			MINDANAO		
EC	Total Brgy	Evaluated Proj Cost (PhP M)	EC	Total Brgy	Evaluated Proj Cost (PhP M)	EC	Total Brgy	Evaluated Proj Cost (PhP M)
QUEZELCO I	2	60	ILECO III	1	35	SIARELCO	2	19
BISELCO	1	20	CAPELCO	1	51			35
OMEKO	2	52	NONECO	1	44	SURSECO II	1	17
		54	BOHECO II	1	23			
ROMELCO	2	36	BANELCO	4	43			
					12			
					59			
					90			
TOTAL	7	162		9	357		3	71



Underground Cable

Initiatives:

BATANELCO PROJECT

1. Batan Island – on-going construction; 80% completed
 2. Itbayat Island
 3. Sabtang Island
- } - on-going procurement process



Rehabilitation of Distribution System in typhoon affected Areas (ADB –JFPR Grant 9175 under sub-component A3)

Initiatives:

On-going rehabilitation of distribution system of ESAMELCO

Beneficiaries:

- 1. 39 elementary schools**
- 2. 28 secondary schools**
- 3. 5 state universities**
- 4. 7 provincial and district hospitals**



Status: Accomplished 13 projects as of 31 January 2016

Conversion of 13.2 kV to 23 kV DX Lines(with KEPCO)

Completed project:

- **PENELCO**
- **With Off-site meter reading project in PENELCO**

Initiatives:

1. Feasibility studies conducted by KEPCO

- **INEC**
- **CENECO**
- **ANECO**

2. On-going endorsement to DOE/NEDA/DOF for financing by Korean-Eximbank

Automated Metering Infrastructure (AMI) Project (with NRECA and REFC)

Initiatives:

On-going procurement process in 5 electric cooperatives

- 1. PELCO I**
- 2. BATELEC II**
- 3. ILECO I**
- 4. ANECO**
- 5. ZAMSURECO I**

Technical Initiatives with JICA

Completed Project

- 4 ECs in Typhoon Yolanda – stricken area – recipients of 14 new boomtrucks

DORELCO	4 boomtrucks	ESAMELCO	4 boomtrucks
LEYECO II	4 boomtrucks	SAMELCO II	2 boomtrucks



Initiatives:

- EC Resiliency Program – an on-going survey is being undertaken in ECs
- Bangsamoro Reconstruction and Development Project – donation of boomtruck, hardwares, conductors, meters

Renewable Energy Development

Solar Energy Program with Korea

Completed Project

- Construction of 5 kWp Solar PV System at the NEA roof top – serving 3% of NEA's daily energy consumption (Topsolar Co., Ltd. of Korea)



Renewable Energy Development

Solar Energy Program with Adon Renewables Philippines



Completed Project

- **Additional 22 kWp Solar PV System at the NEA roof top – that will serve another 12% of the daily energy requirement**



Renewable Energy Development

Monitoring of Net Metering Applications

Approved applications

- 6 applicants from CEBECO I, CEBECO II and LUELCO have been given certificate of compliance by ERC. Total capacity of 30.57 kWp

Initiatives:

- Remaining 29 applicants from the ECs are still being monitored and assisted for approval by ERC

Renewable Energy Development

Mini-Hydro Projects

Initiatives:

- **Rehabilitation of 1.08 MW Ton-ok MH power plant in SAMELCO I**
- **Technical and financial evaluation of three new MH resources**
 - **4.9 MW Talubin MH power plant in MOPRECO**
 - **14.98 MW Anulod MH power plant in NORECO I**
 - **1.5 MW Bansud MH power plant in ORMECO**

Renewable Energy Development

Technical Assistance on Hybridization Projects with ADB and KEMCO

Completed Project

- **Romblon Hybrid System – inauguration is scheduled on 3 March 2016**

Additional Initiatives:

- **Detailed feasibility studies on 5 shortlisted sites**
 - Sabtang, Batanes
 - Doong, Bantayan Island, Cebu
 - Cobrador, Romblon
 - Sto. Nino, Western Samar
 - Logbon, Romblon



Administrator Edita S. Bueno
National Electrification Administration
928-03-26
