



NATIONAL POWER CORPORATION

MISSIONARY ELECTRIFICATION PLAN

2025-2029

CONTENTS

FOREWORD	
NPC VISION AND MISSION	
EXECUTIVE SUMMARY	
NATIONAL POWER BOARD	
NPC MANAGEMENT COMMITTEE	
NPC MANDATES	
LEGAL BASES	
NPC PRIORITY STRATEGIC INITIATIVES	

MISSIONARY ELECTRIFICATION AT A GLANCE

I. UPDATES ON THE TOTAL ELECTRIFICATION IN MISSIONARY AREAS	18
II. NPC POWER PLANTS AND BARGES MAP	19
III. NPC POWER GENERATION	20
IV. NPC TRANSMISSION AND SUBSTATION	21
V. ELECTRICITY TARIFF IN SPUG	28
VI. NEW POWER PROVIDER (NPP), QUALIFIED THRID PARTY (QTP), AND RENEWABLE ENERGY DEVELOPERS (RED)	31

NPC'S PLANS AND PROGRAMS

MISSIONARY ELECTRIFICATION PLAN CY 2025-2029

SUMMARY OF CY 2025-2029 MISSIONARY ELECTRIFICATION PLAN

I. ACCESS TO ELECTRICITY	41
A. DIESEL SOLAR HYBRIDIZATION, NEW AREAS	
B. MINI-GRID, NEW AREAS	
C. DISTRIBUTION LINE EXTENSION, EXISTING AREAS	
D. DISTRIBUTION LINE, NEW AREAS	
E. HOUSEHOLD ELECTRICAL CONNECTION (HEC)	
F. PHOTOVOLTAIC MAINSTREAMING (PVM)	
II. POWER SYSTEM RELIABILITY AND RESILIENCE	47
A. TRANSMISSION	
B. SUBSTATION	

CONTENTS

C. SWITCHING STATION & MISCELLANEOUS TRANSMISSION PROJECT	
D. UPGRADING OF DISTRIBUTION LINE	
E. LEASE OF GENSETS	
III. CLEAN AND AFFORDABLE ELECTRICITY	50
A. DIESEL SOLAR HYBRIDIZATION, EXISTING AREAS	
B. OTHER RE SOURCES	
IV. NPC PILOT PROJECTS	51
A. CRUDE PALM OIL (CPO)	
B. ANCILLARY SERVICES	
V. NPC SPUG PROJECTS	51
ACCELERATED HYBRIDIZATION PROJECT (AHP)	52
CAPACITY ADDITION (SPILL-OVER, EXISTING AREAS)	53
UNSERVED/NEW AREAS FOR ELECTRIFICATION (SPILL-OVER)	53
RENEWABLE ENERGY DEVELOPMENT	54
RENEWABLE PORTFOLIO STANDARDS	57
INCREASE IN OPERATING HOURS	58
PRIVATIZATION PROGRAM	58
STATUS OF LFP-TEP OF NPC	58
DEVELOPMENTAL CHALLENGES IN THE IMPLEMENTATION OF PLANS AND PROGRAMS IN THE MEP	60
MOVING FORWARD	
ABBREVIATIONS AND ACRONYMS	
ANNEXES	



FOREWORD

The National Power Corporation (NPC), a government-owned and controlled corporation (GOCC) and an attached agency of the Department of Energy (DOE), is one of the national government's prime mover in its total electrification goals. As contained in Republic Act 9136 (RA 9136) or the Electric Power Industry Reform Act (EPIRA) law, NPC is responsible for the provision of power generation and associated power delivery systems in areas that are not connected to the transmission system and for ensuring a secure, dependable, and cost-effective electricity in missionary communities in the Philippines.

The electrification of NPC aligns with the DOE's Missionary Electrification Development Plan (MEDP), which contains the policies, strategies, and programs aimed at achieving universal access to electricity in rural areas. The 2025 MEP outlines the strategic direction and approaches the Corporation will employ to accomplish its electrification objectives and contribute to the government's aspirations of total household electrification by 2029.

The 2025 MEP incorporates NPC's three (3) long-term goals for the nation - achieving universal access to electricity in rural areas, improving reliability and resiliency of power supply, and adopting clean and affordable electricity in the off-grid areas to decrease reliance on fossil fuels. These goals align with the national government's commitment to advancing sustainable and ensuring access to clean and affordable energy to decrease greenhouse gas emissions and address the impacts of climate change.

Currently, based on the 2020 PSA Census Baseline Target there are 456,497 unserved households in the missionary areas. Working for the electrification of these areas are NPC and the National Electrification Administration (NEA).

NPC aims to extend electricity access to households in missionary areas through diverse electrification solutions, including mini/microgrid systems, distribution line extensions, solar home systems, and the expansion of household connections to existing facilities. Additionally, NPC is committed to enhancing the reliability of its current power facilities. This will be achieved through hybridization and the completion of ongoing infrastructure projects.

The escalating fuel prices in the global market have compelled the National Power Corporation (NPC) to intensify its commitment to renewable energy (RE) development. The Corporation recognizes that harnessing RE sources such as solar, wind, and hydropower can significantly reduce the corporation's reliance on imported fossil fuels. This strategic transition offers the dual benefit of lessening financial strain and reducing vulnerability of diesel fuel price to global market fluctuations.

With NPC's RE initiatives, it ensures sustainable and cost-effective sources of electricity which is extra beneficial to low-income areas.

In general, this curated report from the NPC is in accordance with the national energy policies and objectives aimed at achieving a more sustainable and resilient energy future for the Philippines and total household electrification in missionary areas.



OUR VISION

By 2030, become the leading corporation providing equitable access to reliable, clean, and affordable electricity through renewable energy, resilient infrastructure, and innovations, contributing to total electrification and sustainable development.



OUR MISSION

National Power Corporation is committed to:

- 1 Provide reliable power generation and its associated power delivery systems, and adopt renewable and indigenous sources of energy;
- 2 Ensure total electrification of missionary areas and encourage private sector participation;
- 3 Protect and rehabilitate its watersheds and ensure safe dam operations;
- 4 Operate efficiently the Agus and Pulangi hydroelectric power plants; and
- 5 Adopt disaster-resilient systems, innovations, and inclusive governance responsive to customer needs while ensuring financial sustainability.



EXECUTIVE SUMMARY

The National Power Corporation (NPC), as mandated by the Electric Power Industry Reform Act of 2001 (EPIRA), is tasked to extend electricity to the remotest and far-flung islands and communities in the archipelago. As a catalyst in achieving national development, NPC updates the Missionary Electrification Plan (MEP) every year to incorporate new policies and programs adopted by the corporation, and include emerging technologies.

The 2025 MEP outlines the electrification initiatives of NPC's Small Power Utilities Group (SPUG). It presents both short-term and long-term strategies to ensure reliable power supply in off-grid islands while expanding electrification to underserved areas. Additionally, the plan reflects NPC's commitment to modernizing and expanding its power infrastructure to enhance service delivery and sustainability.

Anchored on its four (4) strategic initiatives, the 2025 MEP elaborates on the strategies it will implement in its service areas. In expanding energy access, NPC shall utilize microgrid systems, extend distribution systems, and provide solar home systems, among others.

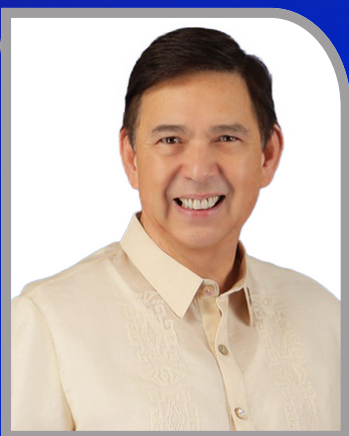
NPC will undertake system upgrades and expansions to enhance the reliability of its 69 kV transmission and substation systems. These improvements will not only support current and future energy demands but also facilitate the integration of renewable energy sources, ensuring a more sustainable and resilient power infrastructure.

Furthermore, NPC remains steadfast in its transition to clean and sustainable energy solutions, aligning with government objectives to reduce financial burdens and decrease reliance on costly fuel imports. As NPC promotes a low-carbon future, NPC targets to complete 14 Diesel-Solar-Battery Hybrid Power Plants and start the pre-implementation of 25 more hybrid projects in 2025. These initiatives are programmed to be implemented until 2029.

These initiatives will be carried out in collaboration with NPC's dedicated partners, including the Department of Energy (DOE), the National Electrification Administration (NEA), Distribution Utilities (DUs), local government units, microgrid system providers, and qualified third parties (QTPs). NPC's ultimate objective is to empower every citizen in the country with access to reliable and affordable electricity, fostering opportunities for progress and development.

Even though NPC faces challenges in sourcing its funds, NPC continues to find solution to implement its projects.

THE NATIONAL POWER BOARD



HON. RALPH G. RECTO

DOF Secretary
Ex – Officio Chairman



HON. RAPHAEL PERPETUO M. LOTILLA

DOE Secretary
Ex – Officio Vice Chairman



ARSENIO M. BALISACAN

NEDA
Ex-officio - Member



HON. JUANITO VICTOR C. REMULLA

DILG Secretary
Ex – Officio Member



HON. CRISTINA ALDEGUER- ROQUE

DTI Acting Secretary
Ex – Officio Member



HON. MA. ANTONIA YULO-LOYZAGA

DENR Secretary
Ex – Officio Member



HON. AMENAH F. PANGANDAMAN

DBM Secretary
Ex – Officio Member

THE NATIONAL POWER BOARD



FRANCISCO P. TIU LAUREL, JR.
DA
Ex – Officio Member



FERNANDO MARTIN Y. ROXAS
President and CEO
National Power Corporation



PATRICK D. MABBAGU
Corporate Secretary,
Compliance Officer
and SDM-Admin
National Power Corporation



VEDALISA N. AREVALO
SDM, Internal Audit Department
National Power Corporation

NPC MANAGEMENT COMMITTEE



FERNANDO MARTIN Y. ROXAS

President & Corporate
Executive Officer



ATTY. MELCHOR P. RIDULME

Senior Vice President and
Corporate Operating Officer



CHARITY C. JAYMA

Acting Vice President
Legal Counsel



ROGEL T. TEVES

Vice President
Corporate Affairs Group



RENE . BARRUELA

Vice President
Small Power Utilities Group



LARRY I. SABELLINA

Vice President
Mindanao Generation



CRISANTO V. HILARIO

Vice President
Administration and Finance



MANUEL LUIS B. PLOFINO

OIC-Vice President
Power Engineering Services



EMMANUEL A. UMALI

OIC-Senior Department Manager
Resource Management Services



LORLINA E. BOMEDIANO

Senior Department Manager
Finance Group



ATTY. PATRICK D. MABBAGU

Senior Department Manager
Administration Group

NPC MANDATES

MISSIONARY ELECTRIFICATION



As outlined in Section 70 of the EPIRA law, NPC is responsible for the provision of power generation and associated power delivery systems in the off-grid islands or areas not connected to the main transmission grid. It is with this mandate that NPC maintains power generation facilities called Small Power Utilities Group (SPUG) and operates the transmission networks of the provinces of Palawan, Masbate, Marinduque, Catanduanes, Oriental and Occidental Mindoro.

Moreover, as stipulated in Rule 4, Section 12 of the Implementing Rules and Regulations (IRR) of the Renewable Energy Act of 2008, the incorporation of renewable energy sources is required to enhance the nation's renewable energy portfolio. In compliance with this, NPC is also encouraging the adoption of indigenous and renewable energy sources within the regions it serves.

The funding for missionary electrification will be derived from sales in missionary areas, the Universal Charge for Missionary Electrification (UCME) collected from all power consumers as defined by the Energy Regulatory Commission (ERC), and appropriations from the National Government (NG).

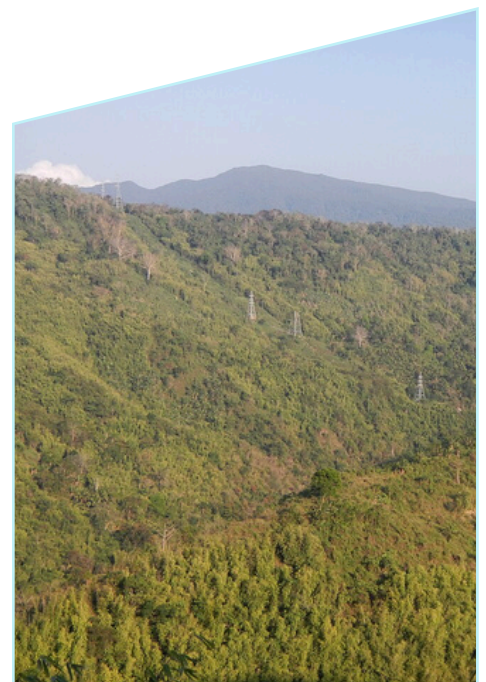
On top of its electrification mandate, NPC manages and protects eleven (11) distinct watershed zones, encompassing a combined land area of 485,199 hectares under the purview of its dedicated Watershed Management Department (WMD). These watershed reservations play a crucial role in facilitating power generation and supplying water for domestic use and irrigation. NPC manages these areas through various rehabilitation, protection, and resource development strategies.

NPC implements several rehabilitation initiatives, including the restoration of empty areas through re-vegetation, reforestation, and agroforestry practices. These efforts aim to facilitate the proliferation of indigenous and fruit-bearing tree seedlings that are both high value and quality.

The Corporation likewise engages in robust on-ground surveillance and legal enforcement activities to safeguard the watersheds. This is done with coordinated cooperation with the Philippine Army (PA), Philippine National Police (PNP), Philippine Coast Guard (PCG), local government units (LGUs), and other relevant stakeholders. NPC additionally implements information and education campaigns (IECs) and provides livelihood training to educate individuals on the need to maintain a sustainable environment and to promote their involvement in alternative income-generating endeavors, respectively.

The funding for these projects is derived from the Universal Charge - Environmental Charge (UC-EC) which has been mandated by law and authorized by the ERC.

WATERSHED MANAGEMENT





NPC MANDATES

DAMS MANAGEMENT

NPC is responsible for overseeing the five (5) large dams in Luzon and managing seven (7) dams in Mindanao, including its accompanying structures. As part of its duties, NPC conducts semi-annual inspections to ensure the integrity of the dams and the safety of the individuals residing downstream of these dams. Likewise, NPC actively participates in effective reservoir management alongside partner agencies to ensure the prudent use of water resources. Additionally, it carries out information and education drives aimed at enlightening the general public about dam operations and their significance.

NPC is additionally tasked with the responsibility of operating and managing the government's remaining power assets, including the Agus and Pulangi hydroelectric power plants located in Mindanao. The Agus Power Plant Complex consists of six cascading power plants situated between Lake Lanao in Marawi City and the well-known Maria Cristina Falls in Iligan City. Additionally, the Pulangi IV Hydroelectric Power Plant is located in Maramag, Bukidnon. These plants serve as the primary generators of electricity within the region.

In addition to its hydroelectric power assets, the NPC also plays a role in managing contracts with ten (10) Independent Power Producers (IPPs) on behalf of the Power Sector Assets and Liabilities Management Corporation (PSALM Corporation). This responsibility is stipulated in Sections 47 (f) and (j) of the Republic Act 9136. Furthermore, NPC remains responsible for the maintenance of the Bataan Nuclear Power Plant.

MANAGEMENT AND OPERATION OF REMAINING GENERATING ASSETS (MAIN GRID)



LEGAL BASES

RA 6395 REVISED NPC CHARTER

Section 1.2 – “The total electrification of the Philippines, through development of power from all sources...”

2001

Section 70 of R. A. No. 9136 or EPIRA
“Electric Power Industry Reform Act of 2001”

2008

Chapter IV of the R.A. No. 9513 or R.E. Act of 2008
“Off-Grid Renewable Energy (RE) Development”

2018

DOE Department Circular No. DC2018-02- 0003
“Policy for the Competitive Selection Process in the Procurement by the Distribution Utilities of Power Supply Agreement for the Captive Market”

DOE Department Circular No. DC 2018-01-0001
“Adoption of energy Resiliency in the planning and Programming of the Energy Sector to Mitigate Potential Impacts of Disaster”

DOE Department Circular No. DC2018-08- 0024
“RPS Rules for Off-Grid Areas”

2019

DOE Department Circular No. DC2019-01-0001
“Omnibus Guidelines on Enhancing Off-Grid Power Development and Operation”

DOE Department Circular No. DC2019-10-013
“Omnibus Guidelines xxx Renewable Energy Developers”

DOE Department Circular No. DC2019-11- 0015
“Prescribing Revised Guidelines for Qualified Third Party”

2021

DOE Department Circular No. DC2021-11- 0039
“Mandating the National Transmission Corporation as Small Grid System Operator in Specific Off-Grid Areas”

DOE Department Circular No. DC2021-09-0030
“Amending Certain Provisions of and Supplementing Department Circular No. DC2018-02- 0003 xxx Captive Market”

2022

R.A. No. 11646
“Microgrid Systems Act”

DOE Department Circular No. DC2022-05-0016
“Policies on the rationalization of subsidies in the off-grid areas”

DOE Department Circular No. DC2022-05-0017
“Rules and Regulations to Implement Republic Act No. 11646 (Microgrid Systems Act)”

2023

DOE Department Circular No. DC2023-05-0014
“Revised Rules and Guidelines Governing the Operationalization of the RPS Off-Grid Rules”

DOE Department Circular No. DC2023-06-0021
“Prescribing the Policy for the Mandatory Conduct of the Competitive Selection Process by the Distribution Utilities”

2024

DOE Department Circular No. DC2024-06-0018
“Revised Omnibus Guidelines Governing the Award and Administration of Renewable Energy Contracts and the Registration of Renewable Energy Developers”

NPC PRIORITY STRATEGIC INITIATIVES

Strategic Direction No. 1

ENSURE ENERGY SECURITY

Ensure Efficient and Reliable Power Supply in Missionary Areas

- a. Conduct regular preventive maintenance and ensure the availability of spare parts
- b. Optimize capacity and dispatch of generating sets
- c. Conduct regular load flow and system impact studies
- d. Process connection agreements with Distribution Utilities and New Power Providers
- e. Upgrade/expand and/or rehabilitate/reinforce transmission system and associated facilities, as necessary.
- f. Constant coordination with the Electric Cooperative for line-clearing operations
- g. Provide resilient structures to withstand the effects of adverse environmental conditions
- h. Provide sufficient budget and consider other funding sources (in case insufficient approved budget) for fuel supply
- i. Provide/construct Fuel Oil Storage Tank (FOST) for all SPUG plants, ensure timely delivery of fuel, and maintain fuel inventory.

Ensure 24/7 operations of all NPC-SPUG plants

- a. Replace aging generating units
- b. Provide N-1 contingency for SPUG power plants
- c. Provide fuel storage tanks and ensure availability of fuel
- d. Provide manpower complement



NPC PRIORITY STRATEGIC INITIATIVES

Strategic Direction No. 2

EXPAND ENERGY ACCESS

Achieve 100% Electrification in all missionary areas

- a. Establish a database on the unserved/underserved households in coordination with DOE, NEA, and LGUs.
- b. Provide Solar Home Systems (SHS) for sparsely populated communities following the PV Mainstreaming Program of the DOE
- c. Ensure adequate capacity for NEA's Sitio Electrification Program (SEP) and Barangay Line Enhancement Program (BLEP)
- d. Provide power generation and associated delivery systems to unserved areas that cannot be serviced by DUs nor the Microgrid System Providers (MGSPs)
- e. Implement power delivery systems extension projects for NPC Mini-Grids
- f. Implement projects funded by DOE or other Foreign Assisted Projects

Provide Sufficient Power Supply in Missionary Areas

- a. Provide adequate capacity, RE hybridization projects, distribution lines, transmission lines, and substations
- b. Provide generating set rental units in areas with planned CSP, interconnection, intra-connection, no N-1 reserve, etc.
- c. Development of a 69 kV transmission & substation system to support load growth

A background image showing a group of people in a field of tall grass and trees. Some people are pointing upwards, possibly at a utility pole. The image is partially obscured by a red banner at the bottom.

NPC PRIORITY STRATEGIC INITIATIVES

Strategic Direction No. 2

EXPAND ENERGY ACCESS

Support privatization efforts in the missionary areas

- a. Proactively participate in the review of TOR, the conduct of CSP by DUs, the review of power supply contracts of DUs and NPPs, the review of QTPs-QSSC/MGSPs-MS, and intervene in public hearings conducted by ERC for MQSP/QTPs/NPPs
- b. Strictly implement “Phase-in, Phase-out” (PIPO) agreement with DUs and NPPs
- c. Facilitate timely payment of UC-ME subsidy to NPPs/QTPs/MGSPs
- d. Ensure commercial viability of missionary areas to enable takeover by private sector
- e. Timely submission of NPC’s Graduation Plan to DOE under RA 11646 and its IRR
- f. If authorized by the DOE to conduct CSPs, strictly comply with the procedure, guidelines, and timeframe for CSPs pursuant to RA 11646 and its IRR

Optimized disposal or divestment of SPUG assets upon entry of Private Sector

- a. Conduct option studies (sale, transfer, disposal, or donation) to maximize the recovery of asset value and ensure the least-cost impact to UCME
- b. Conduct of inspection, verification, and appraisal of assets
- c. Conduct of comprehensive environmental assessment and site remediation after decommissioning of SPUG plants



NPC PRIORITY STRATEGIC INITIATIVES

Strategic Direction No. 3

PROMOTE A LOW-CARBON FUTURE

Pursue the use of renewable energy in missionary areas

- a. Compliance with Renewable Portfolio Standards (RPS) for off-grid areas
- b. Integrate hybrid renewable energy options to reduce dependence on imported fuel, reduce carbon emission and production cost
- c. Conduct resource assessment for other RE such as wind and mini- or micro-hydro sources
- d. Implement PV Mainstreaming for sparsely populated communities in missionary areas following DOE's PVM Program

Adopt energy efficiency programs and technologies

- a. Conduct performance assessment and audit of power facilities
- b. Consider the use of alternative fuels and technologies

A close-up photograph of a hand placing a coin on a stack of coins. The stack consists of several silver coins at the base and a few gold coins on top. The background is dark and out of focus.

NPC PRIORITY STRATEGIC INITIATIVES

Strategic Direction No. 4

FINANCIAL STABILITY

Ensure Adequate Fund Sources for Sustainability and Improve Corporate Liquidity

- a. Attain/maintain ERC-approved tariff revenue to support the corporate budget
- b. File Rate Applications with ERC on a timely basis
- c. Request for exemption from payment of Dividends to NG considering that revenue source is UCME
- d. Request DBM to retain SARO funding for CAPEX
- e. Pursue intensified collections of power accounts receivable
- f. Utilize NPC's Authority to Borrow for emergency purposes and address funding gaps

Rationalization of tariffs and phase out of UC-ME subsidy in Missionary Areas

- a. File for approval by ERC the Power Transmission Service Charge (PTSC) for all small-grid users
- b. The distribution service charge shall be imposed to DUs and LGUs in addition to Subsidized Approved Generation Rate (SAGR) if the distribution line was provided by NPC
- c. Ancillary Services shall be charged in the area concerned
- d. UCME Reduction: Privatize SPUG areas, review existing power supply contracts to reduce TCGR, increase SAGR, charge PTSC, adopt efficient technology, apply RE technology, intensify IEC on investment promotion of SPUG areas
- e. UCME Graduation: Interconnect off-grid systems to the main grid; assess the affordability of SPUG rates (If residential, retain SAGR; if commercial/industrial, gradual increase and eventual graduation)

An aerial photograph of a coastal area. In the center, a building with a green roof is covered in solar panels. To the right, a sandy beach meets the ocean. The image is overlaid with a large blue semi-transparent shape on the left and a red semi-transparent shape on the right.

MISSIONARY ELECTRIFICATION AT A GLANCE

UPDATES ON THE TOTAL ELECTRIFICATION IN MISSIONARY AREAS

STATUS OF HOUSEHOLD ELECTRIFICATION IN MISSIONARY AREAS

BASED ON 2020 PSA AND LATEST HOUSEHOLD DATA FROM DOE/NEA

PARTICULARS	NO. OF HHS	PERCENTAGE
SERVED	1,276,719	73.65%
UNSERVED	456,497	26.34%
TOTAL	1,733,216	100%

Table 1: Status of Household Electrification

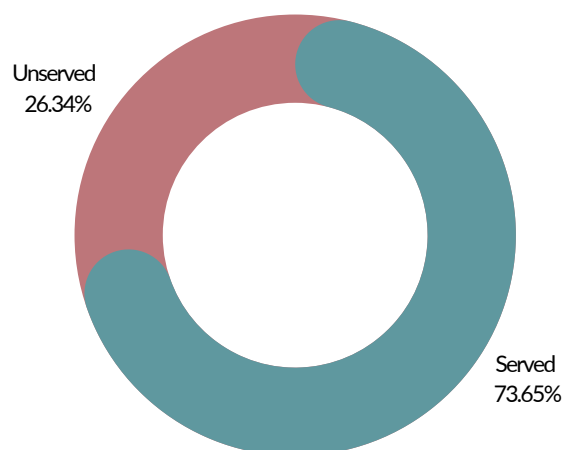


Figure 1: Household Electrification in Missionary Areas

Table 1 shows the total household electrification in Missionary Areas based on the 2020 Population Census of the Philippine Statistics Authority (PSA) and the latest Household Data from DOE/NEA. This data is based on the data of the Department of Energy (DOE), National Electrification Administration (NEA) and National Power Corporation (NPC) as of June 2024.

Out of 1,733,216 households in SPUG areas, 73.65% or more than 1.2 million are already electrified by NPC and NPPs/MGSPs/REDs in partnership with DUs. The remaining 26.34% or 456,497 are unserved households and some of which are programmed in 2025 - 2029 MEP.

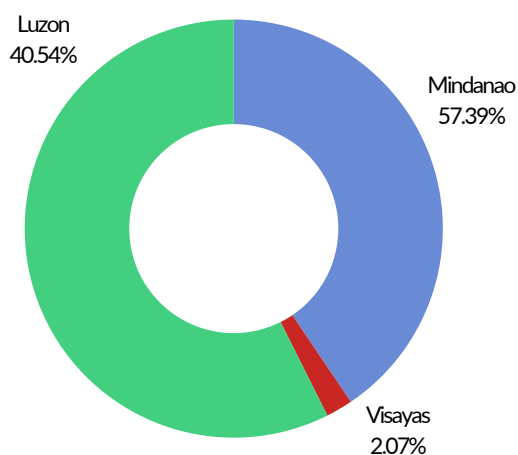


Figure 2: Unserved Household in Missionary Areas

PARTICULARS	NO. OF HHS	PERCENTAGE
LUZON	185,056	40.54%
VISAYAS	9,452	2.07%
MINDANAO	261,989	57.39%
TOTAL	456,497	100%

Table 2: Unserved Household in Luzon, Visayas & Mindanao

As shown on Table 2, Mindanao has the highest number of unserved households with 57.39% or 261,989, followed by Luzon with 40.54% or 185,056. Visayas region has the lowest number of unserved households with 2.07% or 9,452. Masbate and Palawan in Luzon and Basilan, Tawi-Tawi, and Sulu in Mindanao are the provinces with the most unserved households in the missionary area.

NATIONAL POWER CORPORATION

POWER PLANTS IN MISSIONARY AREAS

(AS OF DECEMBER 2024)

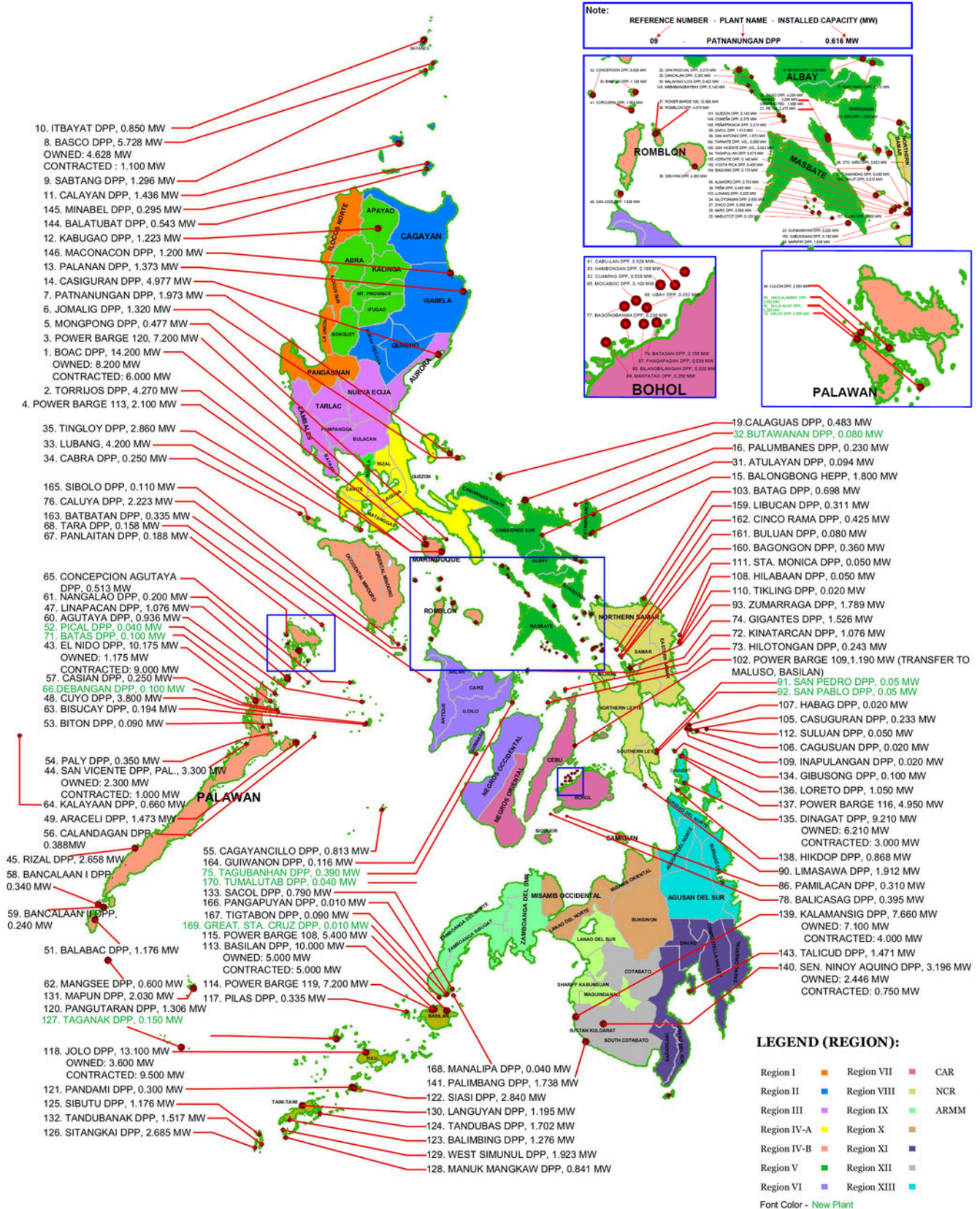


Table 3: Power Generation Statistics

REGION	NO. OF PLANTS	NO. OF AREAS	NO. OF ISLANDS	DEPENDABLE CAPACITY						
				TECHNOLOGY						
				DIESEL (MW)	BUNKER/DIESEL (MW)	COAL (MW)	SOLAR (MWp)	HYDRO (MW)	WIND (MW)	BATTERY (MWh)
LUZON	115	91	81	190.17	112.18	28.00	13.84	11.80	16.00	9.21
NPC SPUG PLANTS	79	74	70	100.06	-	-	-	1.80	-	-
NPP/MGSP	36	17	11	90.10	112.18	28.00	13.84	10.00	16.00	9.21
VISAYAS	61	59	53	23.50	38.45	-	-	-	-	-
NPC SPUG PLANTS	55	54	48	20.75	-	-	-	-	-	-
NPP/MGSP	6	5	5	2.75	38.45	-	-	-	-	-
MINDANAO	41	39	36	65.32	-	-	-	-	-	-
NPC SPUG PLANTS	39	35	32	61.65	-	-	-	-	-	-
NPP/MGSP	2	2	2	6.64	-	-	-	-	-	-
TOTAL NPC-SPUG	173	163	150	182.50	-	-	-	1.80	-	-
TOTAL NPP/MGSP	44	24	18	99.49	150.63	28.00	13.84	10.00	16.00	9.21
GRAND TOTAL	217	187	165	281.99	150.63	28.00	13.84	11.80	16.00	9.21

As of December 2024, the total number of power plants (excluding the 95 Masbate PRES areas) in the missionary area is 217 power plants in 187 areas. Forty-four (44) of these are operated by NPP and QTP/MGSP. Although NPC operates most of the power plants in the missionary areas totaling 173 power plants, these are small areas only.

Table 4: List of SPUG Plants with Increase in Service Hours

OPERATING HOURS	TOTAL PLANTS	TOTAL AREAS	TOTAL DEPENDABLE CAPACITY (MW)
24 Hours	84	74	165.49
12 - 23 Hours	19	19	7.05
Less than 12 hours	70	70	10.76
TOTAL	173	163	184.30

As of December 2024, 84 NPC-SPUG power plants in 74 areas are enjoying 24/7 electricity, 19 SPUG power plants in 19 areas operate at 12 - 23 hours/day, and 70 power plants in 70 areas operate less than 12 hours per day. NPC is doing its best to fast-track its projects to satisfy the 24/7 power supply in these missionary areas.

SMALL ISLAND GRID PROFILE

As of December 2024, the National Power Corporation (NPC) operates a total of 1,173.92 circuit-kilometer (ckt-km) transmission lines and 225 MVA substation capacity in areas categorized by the Department of Energy (DOE) as Extra Large Island within the Missionary Areas.

Table 5: Total T/L Length of NPC in SPUG Areas

AREA/ISLAND	TRANSMISSION LINE LENGTH	SUBSTATION CAPACITY
Mindoro	449.03	95
Palawan	359.30	65
Masbate	150.41	20
Catanduanes	122.65	25
Marinduque	92.51	20
TOTAL	1,173.92	225

POWER DEMAND PROJECTIONS IN AREA WITH EXISTING TRANSMISSION SYSTEM

NPC collaborates closely with the Electric Cooperatives (ECs) to align its plans and programs with those of the ECs and ensures the readiness of the transmission backbone to accommodate additional capacity thru ECs conduct of Competitive Selection Process (CSP). Such readiness is crucial to addressing the forecasted load demand of the ECs, as detailed in Table 7.

Table 6: List of SPUG areas Power Demand Projections in area with Existing Transmission System

AREA	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
1. Palawan	73.99	78.95	84.00	89.13	94.28	99.46	104.62	109.78	114.90	120.00
2. Mindoro										
Oriental	69.71	72.98	76.26	79.53	82.80	86.07	89.34	92.61	95.84	99.11
Occidental	29.78	31.36	32.97	34.62	36.31	38.03	39.78	41.58	43.41	45.28
3. Masbate	33.96	36.79	39.78	42.93	46.15	49.72	53.36	57.16	61.12	65.24
4. Catanduanes	15.59	16.45	17.37	18.35	19.39	20.49	21.65	22.88	24.16	25.51
5. Marinduque	15.36	16.48	17.61	18.76	19.92	21.09	22.25	23.42	24.60	25.77

Source: Power Supply Procurement Plan (PSPP)

SMALL ISLAND GRID PROFILE

ON-GOING TRANSMISSION SYSTEM PROJECTS

In 2024, NPC successfully completed the construction of 23 ckt. kms. San Miguel-Viga 69 kV Transmission lines in Masbate and 32 ckt. kms. Mogpog-Buenavista 69 kV Transmission Lines in Marinduque. Additionally, NPC upgraded the Roxas Substation Palawan, increasing its capacity from 5 MVA to 10 MVA.

Table 8 outlines the details of the remaining projects for 2024, which are targeted for completion in 2025.

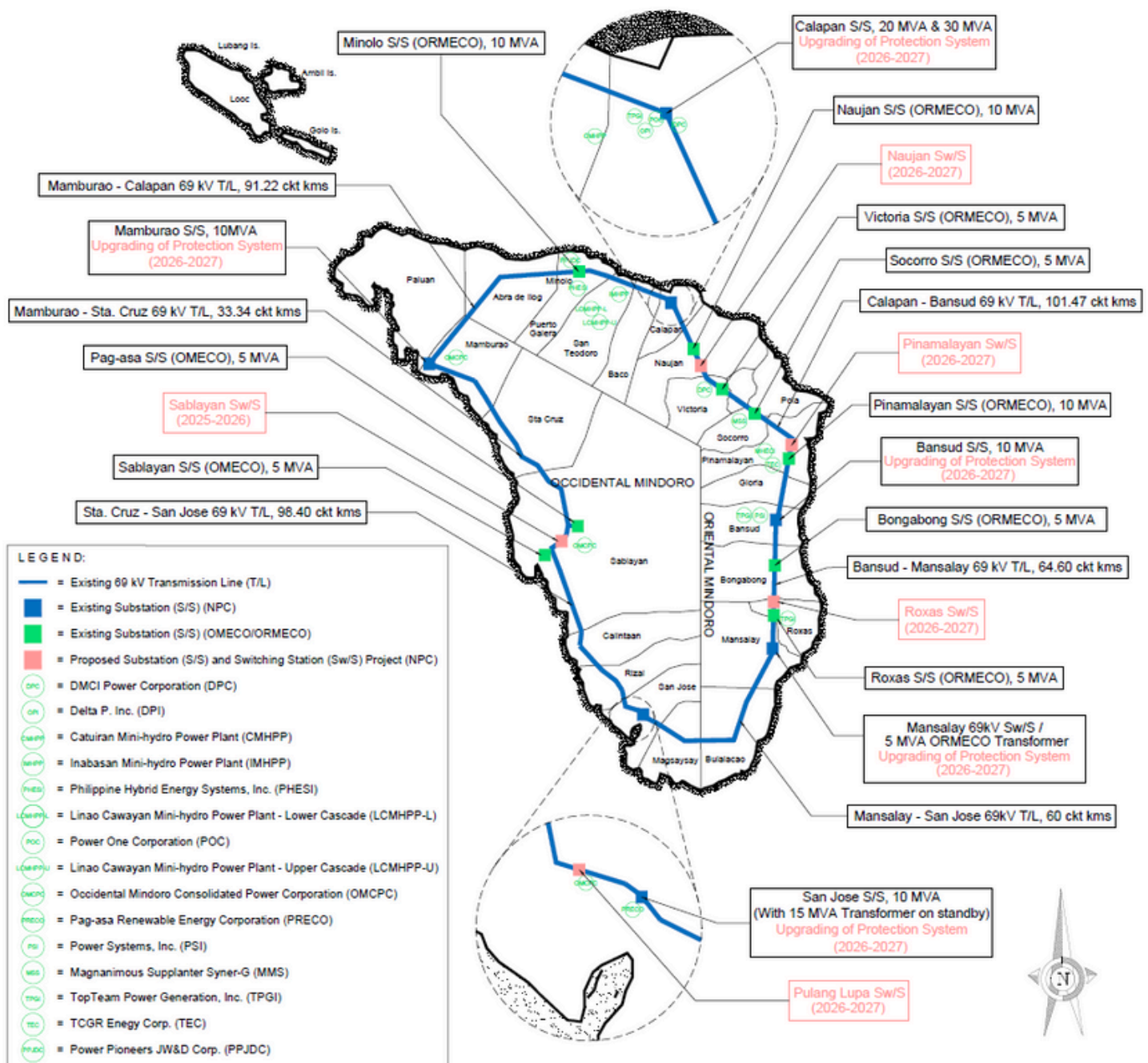
Table 7: List of on-going Transmission System Projects

Ongoing Project	Capacity (MVA)	Contract Effectivity	Contract Expiry	MEP Schedule	Status (As of December 2024)
69 kV Substation Facility					
Upgrading of Virac Substation from 10MVA to 20MVA Capacity (Catanduanes)	20.00	19 April 2024	04 March 2025	2024-2025	69.19% completed
Construction of Uson Switching Station (Masbate)		08 July 2024	03 May 2025	2024-2025	34.61% completed
Construction of Buenavista Substation (Marinduque)	5.00	02 August 2024	28 May 2025	2024-2025	44.91% completed

MINDORO GRID

NPC is actively working in collaboration with TransCo, ORMECO and OMECO to modernize the Mindoro Grid focusing on enhancing system reliability, strengthening the grid's resilience, and preparing the infrastructure to meet the region's growing demand for electricity.

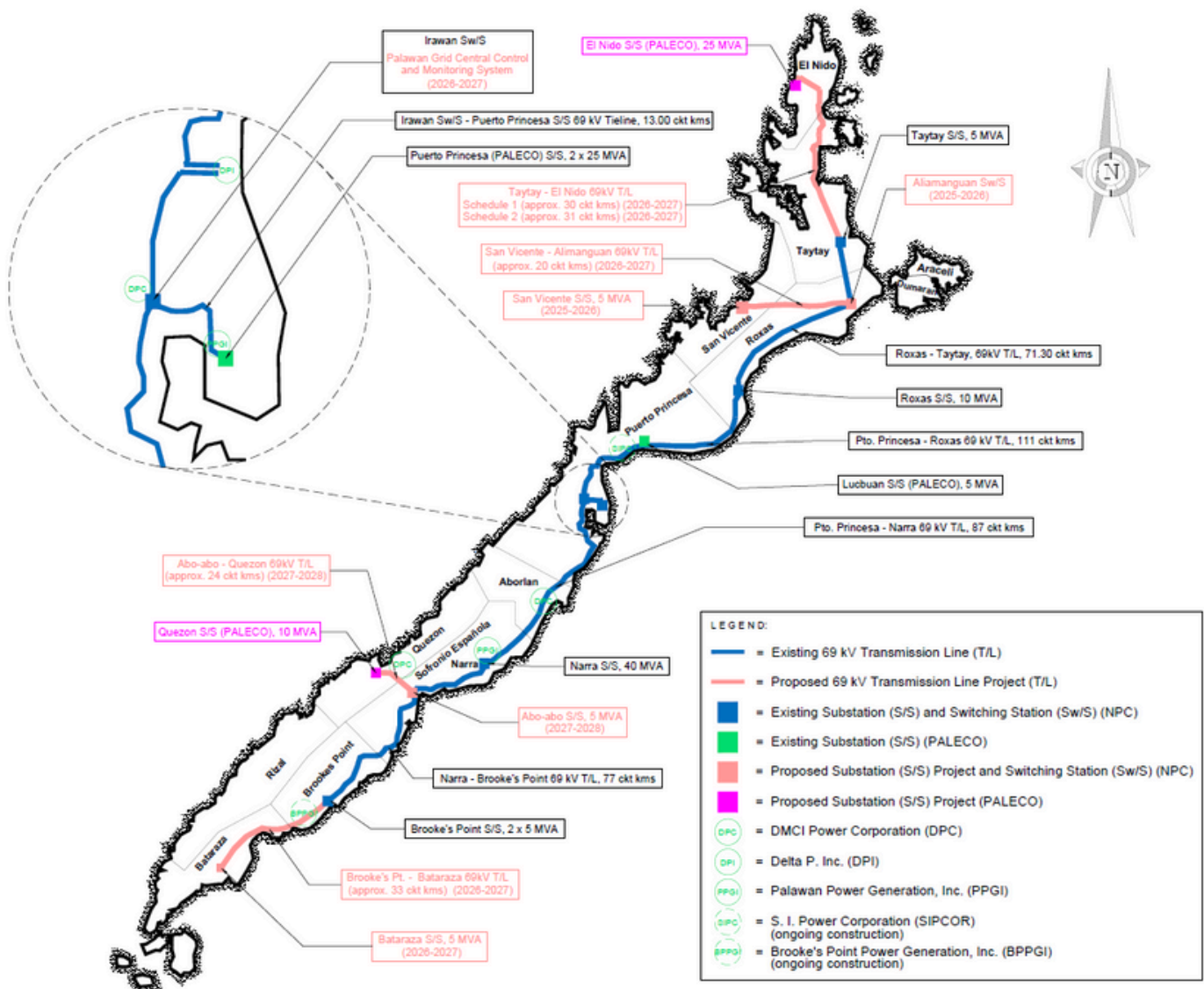
A key component of this modernization effort is ensuring the grid's capability to accommodate additional generation capacity from OMECO and ORMECO's successful implementation of Competitive Selection Process (CSP) for the selection of cost effective and reliable energy suppliers in Mindoro.



PALAWAN GRID

The continuous development of the Palawan Grid under the 2025-2029 MEP will mark significant progress in addressing the region's growing energy needs. A key milestone is the completion of the transmission line segments connecting Palawan's northernmost to southernmost areas by 2027.

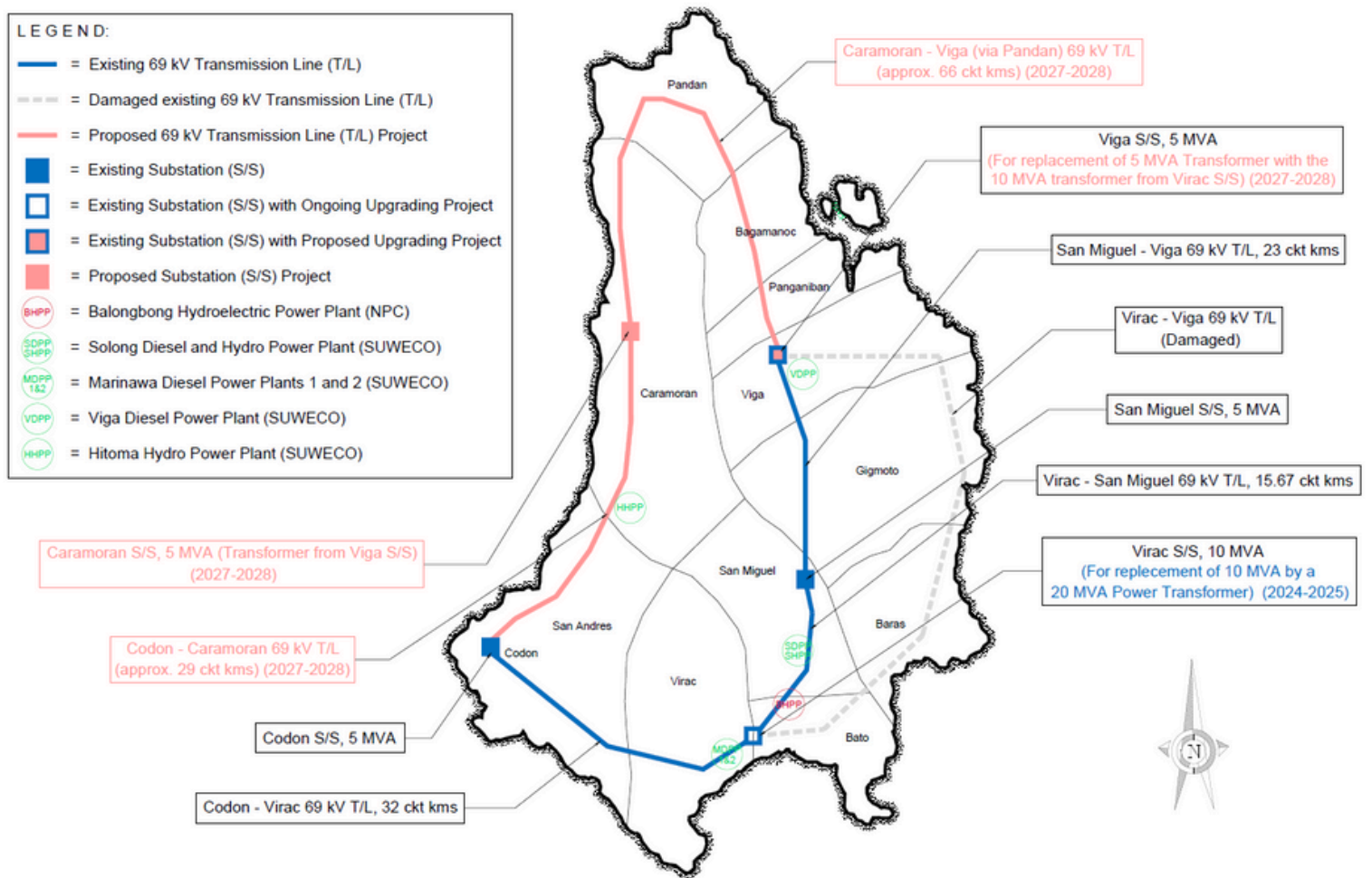
This will notably improve the power supply reliability, benefiting areas like El nido and the emerging San Vicente, both of which are experiencing demand due to tourism, economic growth, and local development. With better infrastructure in place, Palawan can expect enhanced serviced stability, support further investments, and overall socioeconomic advancement.



CATANDUANES GRID

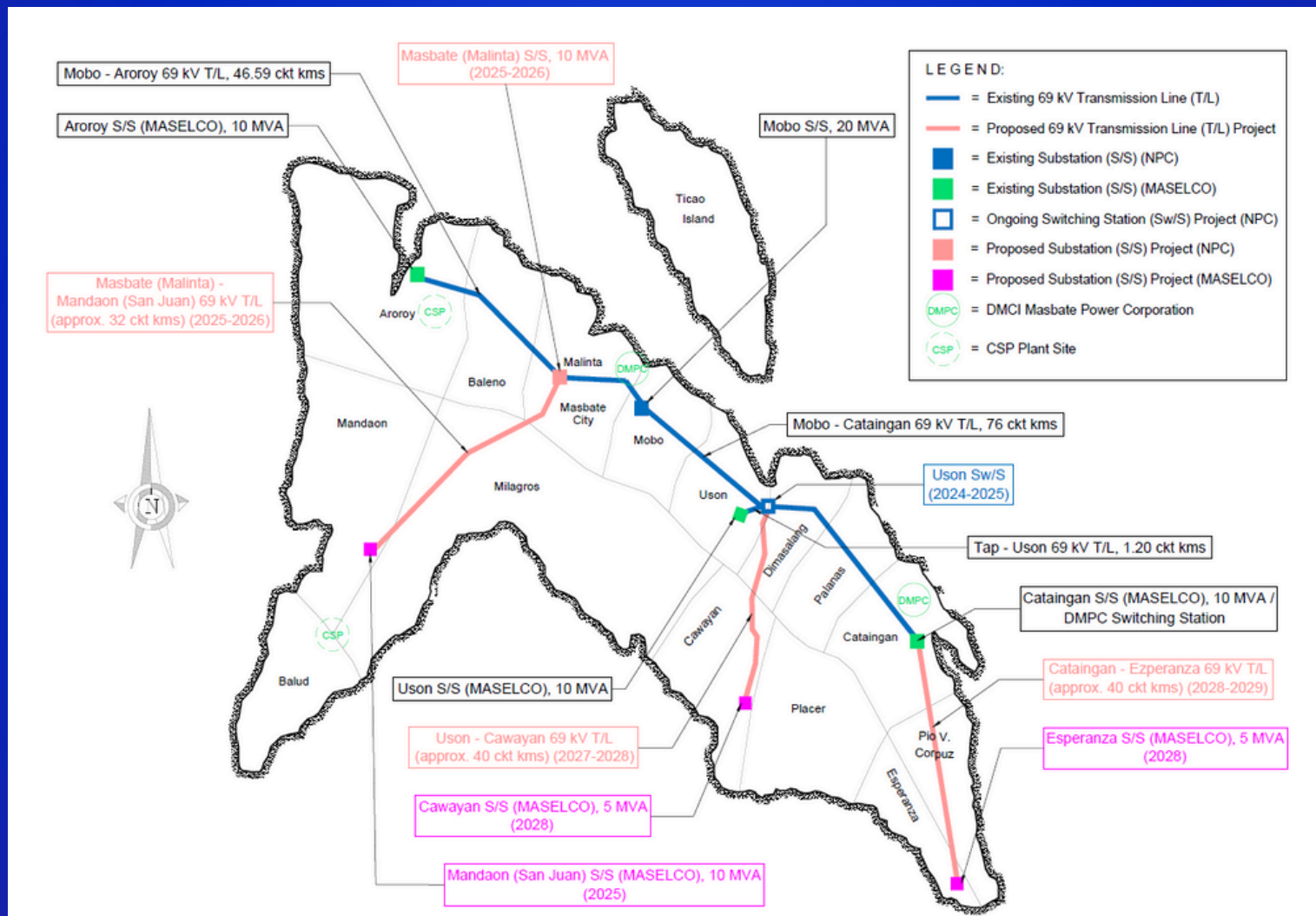
The construction of the Caramoran Substation, which will link the Codon and Viga Substations will complete the system in loop configuration. This scheme is expected to significantly improve the power reliability by enabling electricity to be rerouted during outages caused by disruptions, particularly typhoons, which frequently impact the area.

Once these project are completed in 2028, the power interruptions will be significantly reduced, voltage regulations will be improved, and a more resilient power supply delivery will be established which is critical for a region highly vulnerable to challenges associated with typhoons.



MASBATE GRID

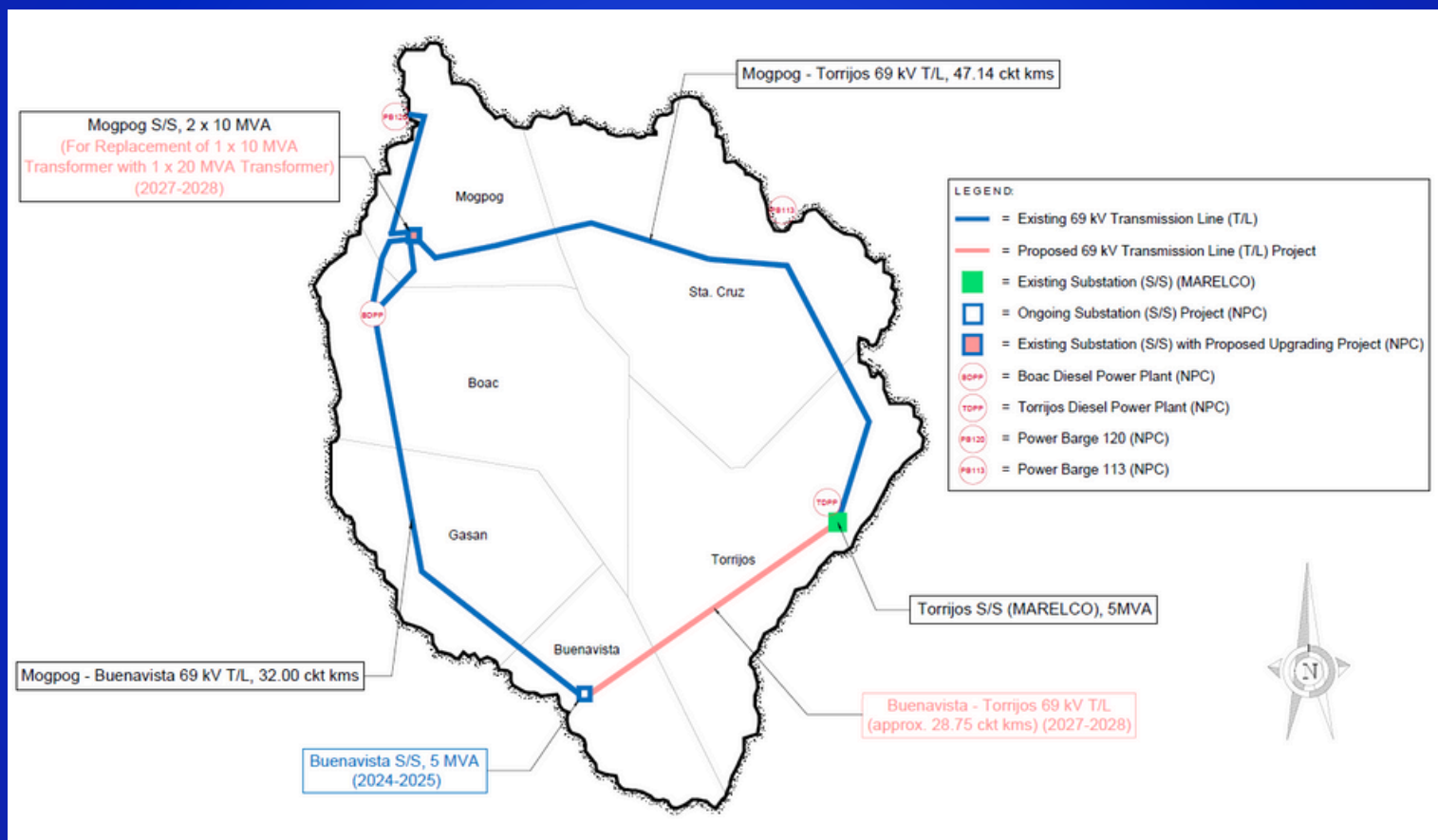
The Masbate Grid is designed to incorporate distributed generation scheme in coordination with the Masbate Electric Cooperative (MASELCO). The necessary substation facilities, currently under construction by the NPC at identified load centers along the transmission backbone (Masbate and Uson), are scheduled for completion in 2025. This timeline aims to prevent the forecasted overloading of the Mobo Substation and to support the interconnection of MASELCO's planned load-end substations in the Municipalities of Cawayan and Mandaon. These areas are expected to experience significant increases in load demand through 2030.



MARINDUQUE GRID

The Marinduque 69 kV transmission backbone, designed in a loop configuration, is set to be completed with the 28.5 ckt. kms. Torrijos-Buenavista 69 kV transmission lines project by 2028. This project marks a step towards improving the island's power system reliability and voltage regulation. The loop configuration is a robust design that minimizes outages and ensures the efficient delivery of power across the island.

To address Marinduque's growing power demand, NPC will continue to lease additional capacity to meet the island's increasing power supply requirements until the successful interconnection of Marinduque to the Main Grid.



ELECTRICITY TARIFF IN SPUG

One of NPC's sources of funds is the revenue from sales in missionary areas through the Subsidized Approved Generation Rate (SAGR). SAGR refers to the generation rate expressed in P/kWh, which the ERC has approved for an Electric Cooperative (EC)/DU to charge its consumers for electricity generation services in missionary areas. The ERC approved the new SAGR on 29 September 2021 under ERC Case No. 2018-048RC promulgated on 31 January 2022. The new SAGR was due for implementation starting on the first billing month for CY 2022. However, due to EC's request for deferment on the implementation of the new SAGR, NPC charged its customers effective March 2022 billing period to give ECs ample time to inform their consumers of the increase in generation charge. Shown in Table 9 below is the schedule of rates.

Table 8: Schedule of Rates

AREAS	PREVIOUS SAGR	INCREASE IN SAGR PER ERC CASE NO. 2018-048RC			NEW SAGR		
		CY 2022	CY 2023	CY 2024	CY 2022	CY 2023	CY 2024
Mindoro	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Marinduque	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Mainland Palawan	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Puerto Princesa							
Coron/Busuanga							
Catanduanes	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Masbate	5.1167	0.7289	1.3116	1.7496	5.8456	6.4283	6.8663
Tablas	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Romblon	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Bantayan	6.2553	0.8345	1.5022	2.0029	7.0898	7.7575	8.2582
Camotes	6.2553	0.8345	1.5022	2.0029	7.0898	7.7575	8.2582
Siquijor	6.2553	0.8345	1.5022	2.0029	7.0898	7.7575	8.2582
Tawi-Tawi	5.1167	0.6901	1.4285	1.9048	5.7865	6.5452	7.0215
Basilan	5.1167	0.6901	1.4285	1.9048	5.7865	6.5452	7.0215
Sulu	5.1167	0.6901	1.4285	1.9048	5.7865	6.5452	7.0215
Other Luzon							
Group 1	4.8024	0.7289	1.3116	1.7496	5.5313	6.1140	6.5520
Group 2	5.6404	0.7289	1.3116	1.7496	6.3693	6.9520	7.3900
Other Visayas	5.6404	0.8345	1.5022	2.0029	6.4749	7.1426	7.6433
Other Mindanao	4.8024	0.6901	1.4285	1.9048	5.4725	6.2309	6.7072

Note:
ERC favorably granted NPC's prayer that Busuanga area be under the Large area classification due to the dramatic increase of economic growth in the area and therefore Busuanga Island's SAGR should follow that of the Large NPC-SPUG Areas classification. The Year 3 (CY2024) SAGR shall prevail thereafter, unless otherwise changed or revoked by the Commission

ELECTRICITY TARIFF IN SPUG

The SAGR is allowed to be adjusted through the Deferred Accounting Adjustments (DAA) Mechanism for the changes in fuel cost under the Generation Rate Adjustment Mechanism (GRAM) and fluctuations in foreign loan repayments and FOREX expenses under the Incremental Currency Exchange Rate Adjustment (ICERA).

The GRAM and ICERA are filed regularly with the ERC for the approval of their impact on the generation rate. These also form part of the NPC's True Cost Generation Rate (TCGR) or Revenue Requirement (RR) and are integrated into the ERC approval of the UCME. In 2023, the average TCGR of NPC was PhP26.2368/kWh.

The ERC has the discretion to approve the GRAM and ICERA to be collected from the off-grid customers whether it will form part of the Generation Charge in SPUG areas, or as part of UCME True-up which is collected from electricity end-consumers nationwide. Currently, there is no ERC-approved GRAM & ICERA to be charged to SPUG areas, therefore the deferred adjustments are being recovered through the True-up.

Further, NPC is also allowed by EPIRA to avail funds from the UCME – a rate being collected from all electricity end-users, as approved by ERC, to fund the missionary electrification function of NPC, subsidy for the NPPs and QTPs and incentives for the RE Developers (REDs).

On 30 October 2024, ERC granted an Interim Relief for the availment of the Basic UCME for CY 2025 under ERC Case No. 2024-036 RC. Hence, an adjustment of the Basic UCME rate from PhP0.1805/kWh to PhP0.1949/kWh for NPC fund while the RE Developers Cash Incentive (REDCI) will be adjusted from PhP0.0017/kWh to PhP0.0044/kWh or a total UCME rate of PhP0.1993/kWh starting the February 2025 billing month.

Table 9 below shows the Effective Selling Rate of NPC to its SPUG customers.

Table 9: Effective Selling Rate

AREAS	NEW SAGR (2025 onwards)	UNIVERSAL CHARGE FOR MISSIONARY ELECTRIFICATION (UCME)			TOTAL EFFECTIVE SELLING RATE
		NPC	RED-CI	TOTAL	
Mindoro	7.3900	0.1949	0.0044	0.1993	7.5893
Marinduque	7.3900	0.1949	0.0044	0.1993	7.5893
Mainland Palawan	7.3900	0.1949	0.0044	0.1993	7.5893
Puerto Princesa					
Coron/Busuanga					

ELECTRICITY TARIFF IN SPUG

Table 9: Effective Selling Rate

AREAS	NEW SAGR (2025 onwards)	UNIVERSAL CHARGE FOR MISSIONARY ELECTRIFICATION (UCME)			TOTAL EFFECTIVE SELLING RATE
		NPC	RED-CI	TOTAL	
Catanduanes	7.3900	0.1949	0.0044	0.1993	7.5893
Masbate	6.8663	0.1949	0.0044	0.1993	7.0656
Tablas	7.3900	0.1949	0.0044	0.1993	7.5893
Romblon	7.3900	0.1949	0.0044	0.1993	7.5893
Bantayan	8.2582	0.1949	0.0044	0.1993	8.4575
Camotes	8.2582	0.1949	0.0044	0.1993	8.4575
Siquijor	8.2582	0.1949	0.0044	0.1993	8.4575
Tawi-Tawi	7.0215	0.1949	0.0044	0.1993	7.2208
Basilan	7.0215	0.1949	0.0044	0.1993	7.2208
Sulu	7.0215	0.1949	0.0044	0.1993	7.2208
Other Luzon					
Group 1	6.5520	0.1949	0.0044	0.1993	6.7513
Group 2	7.3900	0.1949	0.0044	0.1993	7.5893
Other Visayas	7.6433	0.1949	0.0044	0.1993	7.8426
Other Mindanao	6.7072	0.1949	0.0044	0.1993	6.9065

NEW POWER PROVIDER (NPP), MICROGRID SYSTEM PROVIDER (MGSP), AND RENEWABLE ENERGY DEVELOPERS (RED)

Table 10: List of New Power Providers, Microgrid System Providers, and Renewable Energy Developers (NPPs/MGSPs/REDs)

PARTICULARS	DEPENDABLE CAPACITY, MW					
	TECHNOLOGY					
	DIESEL	BUNKER/ DIESEL	COAL	SOLAR	HYDRO	WIND
GRAND TOTAL	99.4948	150.2526	28.0000	13.8390	11.7990	16.0000
NEW POWER PROVIDER (NPP)	92.1040	150.2526	28.0000	11.8800	9.9990	16.0000
LUZON	84.9520	112.1040	28.0000	11.8800	9.9990	16.0000
1. Renesons Energy Polillo Inc. (REP)	2.1120					
2. Palawan Power Generation Inc. (PPGI)						
a. Unit 3		4.0000				
b. Unit 4		4.9000				
3. DMCI Power Corporation (IQBA)						
A. IQBA						
i. Irawan	25.3500					
ii. Quezon	2.5500					
iii. Brooke's Point	4.2500					
B. Aborlan						
i. Bunker		9.0000				
ii. Diesel	2.5500					
C. Narra						
i. Coal			13.0000			
4. Calamian Island Power Corporation						
a. Coron Power Station		7.5000				
b. Busuanga Power Station	0.6400					
5. DMCI Masbate Power Corporation (DMPC)						
a. Bunker Diesel Plant		20.5000				
b. Coal Plant			15.0000			
6. Sun West Water & Electric Corporation						
a. Marinawa DPP	5.8000					
b. Viga DPP	2.7000					
7. Power One Corporation (POC)						
a. Calapan		12.2000				
b. Pinamalayan		7.6000				
8. Ormin Power, Inc.		7.9800				
9. DMCI Power Corporation-Calapan		15.8240				

NEW POWER PROVIDER (NPP), MICROGRID SYSTEM PROVIDER (MGSP), AND RENEWABLE ENERGY DEVELOPERS (RED)

Table 10: List of New Power Providers, Microgrid System Providers, and Renewable Energy Developers (NPPs/MGSPs/REDs)

PARTICULARS	DEPENDABLE CAPACITY, MW					
	TECHNOLOGY					
	DIESEL	BUNKER/ DIESEL	COAL	SOLAR	HYDRO	WIND
10. ORMIN Power, Inc. Inabasan Hydro*					9.9990	
11. Phil. Hybrid Energy Systems Inc. (PHESI)						16.0000
12. Occidental Mindoro Consolidated Power Corporation						
a. MAPSA Area	9.8000					
b. Sablayan	6.7000					
c. SAMARICA Area	11.0000	22.6500		6.0000		
13. Sun West Water & Electric Corporation - Tablas Energy Corporation						
	11.5000					
				5.8800		
VISAYAS	1.1520	38.1486	-	-	-	-
14. Isla Norte Power Corp. (INPC)		23.2370				
15. S. I. Power Corp. (SIPCOR)						
a. Full Requirement (6MW)		5.8000				
b. 3 MW Additional Supply		3.0000				
16. Camotes Island Power Generation Corp.						
a. Poro, Camotes Power Station		6.4116				
b. Pilar Power Station	1.1520					
MINDANAO	6.000	-	-	-	-	-
17. Kaltimex Rural Energy Corporation	6.000					
MGSP SERVICE AREA	7.3908	-	-	1.9590	-	-
LUZON	5.1528	-	-	1.9590	-	-
18. FP Island Energy Corp. (FPIEC)						
a. Haponan	0.1000					
				0.0740		
b. Lahuy	0.4000					
				0.1850		
c. Quinalasag	0.5000					
				0.3000		
19. Powersource Philippines, Inc. (Liminancong)	1.1480					
20. Sabang Renewable Energy Corp. (SREC)	0.9600					
				1.400		

Note:

*OPI Inabasan – SAGR is higher than the TCGR, No Subsidy from the Government

NEW POWER PROVIDER (NPP), MICROGRID SYSTEM PROVIDER (MGSP), AND RENEWABLE ENERGY DEVELOPERS (RED)

Table 10: List of New Power Providers, Microgrid System Providers, and Renewable Energy Developers (NPPs/MGSPs/REDs)

PARTICULARS	DEPENDABLE CAPACITY, MW					
	TECHNOLOGY					
	DIESEL	BUNKER/ DIESEL	COAL	SOLAR	HYDRO	WIND
MGSP SERVICE AREA						
21. Powersource Philippines, Inc. (Candawaga & Culasian)	1.2400					
22. Powersource Philippines, Inc. (Manamoc)	0.1728					
23. Powersource Philippines, Inc. (Port Barton)	0.4880					
24. Powersource Philippines, Inc. (Dumaran)	0.1440					
VISAYAS	1.6000	-	-	-	-	-
25. Powersource Philippines, Inc. (Malapascua)**	1.6000					
MINDANAO	0.6380	-	-	-	-	-
26. Powersource Philippines, Inc. (Balut Island)	0.6380					

Note:

**PSPI Malapascua - Cease and Desist order issued by Cebu Provincial Governor on 07 August 2024 to PSPI. PSPI stop its operation at 4PM of 06 August 2024. No Subsidy from the Government



NPC PLANS AND PROGRAMS

MISSIONARY ELECTRIFICATION PLAN CY 2025-2029

The 5-year MEP of NPC constitutes a crucial component of the MEDP formulated by the DOE. The MEP outlines NPC's strategies and initiatives aimed at enhancing operations, power supply, delivery systems, efficiency, resiliency, reliability, and the affordability of electricity supply within its service areas. This encompasses various endeavors, including the implementation of new electrification projects, advancement of renewable energy initiatives, and the reinforcing of transmission infrastructure, including substation components.

The programs include a schedule for increasing the operating hours of power plants with less than 24 hours of operation (excluding the PRES Micro Grids), the electrification of unserved areas, and household expansion through grid extension or rehabilitation of 69 kV transmission lines and substations, as well as renewable energy hybridization. Efficiency programs, the decommissioning of units, and generating sets of lease schedules are also integrated.

The following criteria and parameters were used in the evaluation to attain the MEP objectives:

I. New Areas

Pursuant to Republic Act 11646 also known as the "Micro Grid Service Provider Act", In the event that there are no participants or there is no awarded MGSP in the CSP pursuant to Section 13 of this IRR, and upon declaration of failed CSP, the NPC shall continue to perform its missionary electrification function by energizing the said areas. And NPC shall continue to energize the area until a MGSP takes part or is awarded in the next CSP.

1. Upon the endorsement of the MGSP areas, NPC will conduct assessment of the unserved or underserved area to determine the specific needs and requirements for electrification and determine the appropriate electrification solutions for the area.

2. NPC will allocate the necessary resources, including funding, equipment, and manpower, to carry out the electrification project, subject to the availabilities of said resources and procedures prescribed by the government.

3. NPC will coordinate with other relevant agencies, such as the DOE, NEA, the prevailing EC of the area and Local Government Unit (LGU), to ensure that the projects is supported and to avoid duplications.

4. NPC will proceed with the implementation of the electrification project.

5. NPC will monitor the progress of the electrification project and evaluate its effectiveness to ensure that the area receives reliable and affordable electricity.

II. Existing Areas

NPC continues to monitor the load behavior and bases power projections and energization levels on the five-year Distribution Development Plan (DDP) and the Power Supply Procurement Plan (PSPP) of the concerned electric cooperatives and the National Electrification Administration (NEA). This process is carried out in coordination with local government units (LGUs), other distribution utilities (DUs), and NPC's operational data for NPC mini-grids.

III. Lease of Gensets

Lease of gensets shall be implemented based on the following:

- a. Priority areas for the implementation of the lease of gensets shall be those remaining areas identified under the Fourteen (14) first wave areas that were open for Private Sector Participation (PSP);
- b. "Loss of Unit" which requires prolonged restoration or rehabilitation works on the generating unit;
- c. Unanticipated sudden increase of power demand in the area or power grid that cannot be met by existing capacities;
- d. Replacement capacity for power barge that will undergo dry-docking works and/or extended major maintenance;
- e. Isolation of a power plant/s from the grid due to rehabilitation works on transmission lines;
- f. Extension/Renewal of genset's Lease Contract for expiring contract in areas where it is needed;

- g. Areas with planned interconnection to the main grid or intra-connection.
- h. Areas with no N-1 in the plants and need immediate additional capacity within the next two (2) years or until adequacy, reliability, and quality supply concerns are resolved.

IV. 69kV Transmission Line/Substation

Areas may qualify for the provision of substations and associated transmission facilities to ensure grid reliability and stability when the following conditions exist:

- a. EC's Forecasted Load demand in the identified load center of the area which will be the substation facility sites shall be at least 4MW in the next three (3) years, and their present actual demand shall be at least 2MW;
- b. EC's reported Distribution System Loss is higher than the 12% ERC cap; and
- c. EC has exhausted all its reliability improvement programs, particularly the upgrading of Distribution System Primary Lines to 4/0 AWG, among others.

EC is also required to enter into a Memorandum of Agreement (MOA) with NPC to use the transmission system duly supported by its Board Resolution.

V. Renewable Energy

The Hybridization Program of NPC ultimately aims to reduce diesel fuel oil dependency, reduce production cost and carbon dioxide emissions and comply with the implementing rules and regulations of RA 9513.

NPC's default technology for hybridization is Solar and Battery Energy Storage System (BESS) integration, while NPC is in the initial stage of Wind and Hydro (Mini/Micro) Resource Assessment.

NPC has layout the pipeline for the Hybridization Project as part of the corporation's transition to shift its generation mix from traditional fossil fuel to green and clean renewable energy.

However, not all NPC areas are included in the project pipeline. Areas were exempted due to the following :

1. The area or the EC has ongoing or planned Competitive Selection Process (CSP);
2. The area is included in the interconnection plan to the Main Grid;
3. The area has an existing RE Service Contract awarded to the private sector.; and
4. The EC has intent to construct its own RE Power System

NPC will remain as operator of the diesel power plant, unless the EC or Private Sector plans to take over the generation functions of NPC.

VI. Photo Voltaic Mainstreaming (PVM) or the Solar Home System

Renewable Energy through Photovoltaic Mainstreaming (PVM) may be studied for New/Unserved Areas with load demands under 20kW or 300 households below that are dispersed and where the extension of distribution lines are not feasible and unviable.

VII. Projected Result of Operation (ROO)

The MEP also provides the projected revenue and funding requirements, either from the Special Allotment Release Order (SARO) from the Department of Budget and Management (DBM) or UCME for the operation and maintenance of NPC-SPUG power plants, programmed projects, and subsidy allocations to the NPPs/MGSPs/QTPs/REDs.

NPC's mandate of continuously improving the condition of the SPUG power generation and transmission facilities, has developed the Plant Efficiency Program and Quality Assurance Program to ensure the quality maintenance within the SPUG operations and SPUG Engineering Projects.

THE PLANT EFFICIENCY IMPROVEMENT PROGRAMS

To promote a low-carbon future and reduce fuel consumption and its corresponding cost while minimizing the carbon footprint that the generating sets/plants emit, NPC-SPUG plants have efficiency improvement programs currently being undertaken.

1. Spare Parts Management Program (SPMP)

- Standardization of spare parts requirement per PMS schedule of similar gensets, brand, or model

2. Fuel Rate Improvement Program (FRIP)

- Improve the overall plant efficiency vis-a-vis its net fuel rate (Li/kWhr) through economic load dispatch of available gensets and other operational and maintenance strategies. The program also aims to attain a reduction of at least one percent (1 %) of the NFR target per year, which will subsequently translate to fuel savings.

3. Maintenance Management Program (MMP)

- Standardization of PMS activities per OEM recommendation.

4. Troubleshooting Guide

- Categorize all encountered troubles or problems per mechanical, electrical, and metering and develop a standard troubleshooting guide and methodologies for operations and maintenance personnel use. This tool will help our plant personnel immediately restore or rectify the encountered plant/genset troubles and minimize downtime and recurrence of problems.

5. Optimization of Fuel Inventory of SPUG Power Plants and Barges

- Identify SPUG power plants, barges, and facilities that require additional FOSTs and explore alternative solutions, such as new types or designs of FOSTs.

The main objective of this program is to prevent fuel shortages or depletion that may lead to run-outs.

6. Systematization and Digitalization of SPUG General Reports and Information Dashboard System (SPUG-iGRIDS)

- Support NPC's digitalization by developing a user-friendly, accessible one-stop shop

- application for efficient data acquisition and reporting. This program application will integrate reports from existing software, such as FOCIR, MOR, and DORS, making it easily accessible to authorized SPUG personnel on laptops and mobile devices.

7. Study on the Decommissioning of NPC Tugboat and Power Barge's Daihatsu Gensets

- Assess the decommissioning of NPC tugboats and power barges, ensuring a safe, efficient process while maintaining power supply. Alternatives like rental units, crude palm oil retrofitting, or converting barges to land-based plants will also be explored.

QUALITY ASSURANCE PROGRAM

Through the Energy Services Department (ESD) of PES, the Quality Assurance Program designed specifically for SPUG operations is anchored on NPC's Plant Efficiency Program as follows:

1. Plant Technical Assessment includes maintenance and operations audits, condition monitoring tests, and plant heat rate tests.

- The Maintenance and Operations Audit checks the efficacy and suitability of several in-place plan programs such as Managed O&M Programs, M&TE Calibration Programs, SPMP, Fuel Management Programs, Plant Safety, and others.
- Thermal scanning, dissolved gas analysis, battery test, oil lubricant analysis, partial discharge and diagnostics, and vibration testing are all used to evaluate the serviceability and functionality of plant equipment.
- Plant Heat Rate assesses real plant performance and analyzes the results to establish the explanation and fundamental causes and identify corrective actions.

2. As may be directed by NPC Top Management to perform the following:

- Fact-Finding Investigation on SPUG Plant Significant abnormal incidents;
- Assistance in formulating and developing plant programs; and
- Technical assessment of gensets considered for Decommissioning.

SUMMARY OF CY 2025-2029 MISSIONARY ELECTRIFICATION PLAN

The requirements that have been identified for the Generation, Distribution Line, Transmission & Substation, and Lease of Diesel Generating Sets projects are detailed in Table 11. This aims to establish power facilities in unserved households and address the increasing electricity demands of underserved regions, all while ensuring the dependability and effectiveness of the power supply in missionary areas.

Table 11: Summary of CY 2025-2029 Missionary Electrification Plan

PARTICULARS	2025 ¹		2026		2027	2028	2029	TOTAL
	Projects Target for Completion	Projects for Implemenation/ Pre-Implementation	Projects Target for Completion	Projects for Implemenation/ Pre-Implementation	Projects Target for Completion	Projects Target for Completion	Projects Target for Completion	Projects Target for Completion
	Capacity/Line Length/HHs							
i. Access to Electricity								
a. Diesel-Solar Hybridization (MWp), New Areas 2	-	0.53	0.53	0.41	0.41	2.44	1.51	5.302
Compliment Battery Storage System, MWh	-	1.40	1.40	1.01	1.01	6.09	3.76	13.086
b. Distribution Line for New Areas, ckt. km.	-	-	-	-	16.30	31.09	13.65	61.06
c. Distribution Line Extension for Existing Areas, ckt. km.	25.79	0.35	0.35	69.50	69.50	35.22	10.50	141.36
d. Household Electrical Connection (HEC), No. of HHs.	289	-	-	-	1,955	150	681	3,075
e. PV Mainstreaming, No. of HHs.	730		2,821					3,551.00
ii. Power System Reliability & Resilience								
a. Transmission, ckt. kms.	-	32.00	32.00	114.00	114.00	219.25	77.00	442.25
b. Substation, MVA 4	25.00	15.00	15.00	5.00	5.00	45.00	15.00	105.00
c. Switching Station & Misc. Trannsmision projects, No. of Projects	2.00	2.00	2.00	6.00	6.00	-	-	10.00
d. Upgrading of Distribution Line, No. of Projects	4.00	2.00	2.00					6.00
e. Lease of Gensets, MW	60.07		62.58		28.08	27.58	28.53	206.84
iii. Clean and Affordable Electricity								
a. Diesel-Solar Hybridization (MWp), Existing Areas	2.20	6.33	1.53	4.80	12.21	10.09	9.02	35.04
Compliment Battery Storage System, MWh	1.20	3.00	0.61	2.39	6.06	4.04	20.54	32.44
b. Other RE Sources								
Wind, Hydro, Biomass Resource Assessment, No. of Projects	2.00		3.00		4.00	5.00	5.00	19.00
iv. Pilot Projects								
a. Crude Palm Oil, kW	1,000.00							1,000.00
b. Ancillary Services, No. of Projects						2.00		2.00
v. NPC SPUG Projects								
a. SPUG improvement/additional facilities (Fuel Oil Storage Tank and other facilities), No. of Projects	2.00		37.00		38.00		1.00	78.00
b. NPC Head Office Building							1.00	1.00

Notes:

1. Including spill-over projects funded from previous years and FY 2026 for pre-engineering activities.

2. Number of new areas for electrification for 2026-2028 will vary based on the result of CSP for MGSP to be conducted by the DOE.

3. FY2026-2029 transmission system projects are targeted to be completed in the same. Transmission System projects are programmed for 2 yrs completion.

4. 2027-2029 areas for Diesel-Solar Hybridization and its capacities are indicative only and subject for actual survey and resource assessment.

5. The pre implementation of the NPC Head Office Building Project will in FY 2025 and the completion of the Building is in 2029.

SUMMARY OF CY 2025-2029 MISSIONARY ELECTRIFICATION PLAN

The MEP aims to establish power facilities in unserved households, addressing the increasing electricity demands of served and underserved regions. The Access to Electricity Program ensures the dependability and effectiveness of the power supply in missionary areas. Meanwhile, the Power System Reliability & Resilience Program supports load growth and grid modernization. NPC's transition to cleaner and greener energy is underscored in its Clean and Affordable Electricity initiative. Additionally, NPC will implement Pilot Projects as part of its transition and innovation strategies. Lastly, NPC SPUG Projects focus on supply augmentation capabilities, as well as system reliability and resilience.

Due to the continuous rise in fuel prices, NPC continues to face significant financial constraints. Although the government grants NPC an annual subsidy for its Missionary Electrification Projects, the allocated funds remain insufficient to fully support its implementation. To address this shortfall, NPC is actively exploring alternative funding sources to sustain and enhance the program. Additionally, NPC continues to engage with and promote the initiative to the private sector, seeking collaborative opportunities to ensure the long-term viability and expansion of missionary electrification efforts.

Table 11: Summary of CY 2025-2029 Missionary Electrification Plan

PARTICULARS	2025		2026		2027		2028		2029	
		P/kWh		P/kWh		P/kWh		P/kWh		P/kWh
F. Gross Generation, MWh	574,330.85		648,828.40		569,889.36		582,615.92		611,645.92	
G. Energy Sales, MWh	553,226.98		628,428.25		550,170.25		562,761.54		591,341.10	
H. Net Utility Revenue, Thousand Pesos	3,954,787.57	7.15	4,499,991.63	7.16	3,940,384.31	7.16	4,027,991.40	7.16	4,232,670.89	7.16
I. UCME Requirements, Thousand Pesos	30,869,265.22	39.25	38,213,621.51	42.44	38,621,187.52	45.80	40,612,210.28	46.39	42,983,594.73	48.06
a. NPC	16,270,999.59	29.41	18,907,758.66	30.09	18,061,027.92	32.83	18,367,538.72	32.64	19,930,214.61	33.70
b. NPP/QTP	14,598,266.64	9.84	19,305,862.84	12.36	20,560,159.59	12.98	22,244,671.55	13.75	23,053,380.11	14.35

I. ACCESS TO ELECTRICITY

A. DIESEL SOLAR HYBRIDIZATION, NEW AREAS

NPC's approach to the electrification of unserved areas shifted to the utilization of renewable energy sources or hybrid power systems. The Solar & Battery Hybridization in unserved/new areas intends to establish a sustainable and dependable energy supply that is economically viable and easily accessible. Additionally, this approach aims to mitigate reliance on fossil fuels.

Table 12: FY 2025 Diesel-Solar Hybridization for Unserved/New Areas

2025						
LOCATION	TARGET FOR COMPLETION			PROJECTS UNDER FOR IMPLEMENTATION/ PRE-IMPLEMENTATION		
	DG Capacity (kW)	PV Capacity (kWp)	BESS Capacity (kWh)	DG Capacity (kW)	PV Capacity (kWp)	BESS Capacity (kWh)
VISAYAS AREA	-	-	-	55	175	450
REGION VIII (EASTERN VISAYAS)						
Samar						
1.Canhawan Gote, Catbalogan City, Samar				55	175	450
MINDANAO AREA	-	-	-	550	1,231	3,077
REGION XIII (CARAGA)						
Dinagat Island						
2. Sibanag Island , Basilisa, Dinagat Island				150	350	950
TOTAL	-	-	-	205	525	1,400

Table 13: FY 2026 Renewable Energy for Unserved/New Areas

2026						
LOCATION	TARGET FOR COMPLETION			PROJECTS UNDER FOR IMPLEMENTATION/ PRE-IMPLEMENTATION		
	DG Capacity (kW)	PV Capacity (kWp)	BESS Capacity (kWh)	DG Capacity (kW)	PV Capacity (kWp)	BESS Capacity (kWh)
VISAYAS AREA	55	175	450	-	-	-
REGION VIII (EASTERN VISAYAS)						
Samar						
1.Canhawan Gote, Catbalogan City, Samar	55	175	450			
MINDANAO AREA	550	1,231	3,077	200	405	1,013
REGION XIII (CARAGA)						
Dinagat Island						
2. Sibanag Island , Basilisa, Dinagat Island	150	350	950			
3. Tampakan Dampong, South Ubian, Tawi-Tawi				200	405	1,013
TOTAL	205	525	1,400	200	405	1,013

In the program for Unserved/New Areas, NPC has incorporated the areas initially endorsed by DOE. NPC has included them in the pipeline of the projects. Annex B presents a list of unserved/new areas FY 2025-2029 that can potentially benefit from electrification using renewable energy sources. Annex B shows the potential capacity of the system to be installed. Actual capacity may vary depending on Configuration with the Lowest Cost Option.

I. ACCESS TO ELECTRICITY

B. MINI GRID PROGRAM, NEW AREAS

The Mini-Grid Program was earlier proposed to be electrified by diesel generating sets following its inclusion in the Total Electrification Program. However, due to the NPC Policy that prescribe to no longer procure new diesel generating sets, these areas will be re-evaluated to be endorsed to the DOE for the Micro-Grid Service Provider (MGSP) Competitive Selection Process (CSP) and/or possible inclusion in the NPC RE Hybridization program. Tentative electrification of the following area will be in 2027.

Table 14: Mini Grid Program for Unserved/New Areas

LOCATION	TARGET FOR COMPLETION
	DG Capacity (kW)
MINDANAO AREA	-
Basilan	2 x 50kW
1. Palahangan, Hadji Muhtamad	
Tawi-Tawi	
2. Banaran, Sapa-Sapa	2 x 150kW
3. Mantabuan, Sapa-Sapa	2 x 150kW
4. Latuan, Sapa-Sapa	2 x 75 kW
5. Baldatal, Sapa-Sapa	2 x 50 kW
6. Baluk-Baluk, Hadji Muhtamad	2 x 60 kW
7. Sikubong, Sapa-Sapa	2 x 150 kW
Sulu	
8. Tattalan, Banguingui	2 x 60 kW
TOTAL	1,490 kW

C. DISTRIBUTION LINE FOR NEW AREAS

For new areas that are part of the Mini-Grid program and are being managed by NPC, a distribution line component is planned to support the generation projects in them. Meanwhile, in areas not waived by the DU, NPC will not leave them behind and will also provide an initial distribution line component. However, the DU will be responsible for extending the distribution line to these areas. Annex F has a comprehensive list of projects for the Distribution line in the New Areas for the FY 2025-2029.

Table 15: List of Distribution Line for New Areas

2025	
Province	SPILL-OVER
	Line Length, Ckt. Kms
MINDANAO AREA	20.25
1. Baluk-Baluk, Hadji Muhtamad	2.98
2. Lugus Island, Lugus	3.73
3. Bangalaw, Banguingui	3.85
4. Baldatal Islam, Sapa-Sapa	1.70
5. Latuan Island, Sapa-Sapa	2.48
6. Banaran Island, Sapa-Sapa	5.51
TOTAL	20.25

I. ACCESS TO ELECTRICITY

D. DISTRIBUTION LINE EXTENSION FOR EXISTING AREAS

In addressing the necessity for 100% household electrification in missionary areas, NPC shall undertake the expansion of the distribution systems to connect additional unserved households. The plan contains the list of projects for the Distribution line extension in existing areas for the FY 2025-2029.

Table 16: List of Distribution Line for Existing Areas

2025		
Province	TARGET FOR COMPLETION	PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION
	Line Length, Ckt. Kms	
LUZON	19.15	-
1. San Pascual DPP to Mapanique, Masbate*	9.00	
2. Dibay-Dilam DPP to Dilam, Calayan, Cagayan	10.15	
VISAYAS	0.35	0.35
3. Kerkite DPP, Almagro, Western Samar	0.64	
4. Cinco Rama DPP, Almagro, Western Samar		0.35
MINDANAO	6.00	-
5. Tigtabon Island, Zamboanga City, Zamboanga Del Sur	1.00	
6. Tumulutab Island, Zamboanga City, Zamboanga Del Sur	1.00	
7. Lanawan DPP, Kaumpurnah, Tabuan-Lasa, Basilan	1.00	
8. Tapiantana DPP, Tabuan-Lasa, Basilan	3.00	
TOTAL	25.79	1.00

Note:

* - Spill Over project

E. HOUSEHOLD ELECTRICAL CONNECTION FOR EXISTING AREAS

The Household Electrical Connection (HEC) Program of NPC, supporting the Total Electrification Program. The plan contains the list of projects/location for the HEC in existing areas for the FY 2025-2029.

Table 17: FY 2025 List of Household Electrification Connection Project for Existing Areas

2025	
Province	PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION
	Target No. of Households
LUZON	
1. Babuyan Claro DPP, Cagayan	16
2. Dibay-Dilam DPP, Cagayan	16
3. Calayan DPP, Cagayan	107
4. Balatubat DPP, Cagayan	50
5. Minabel DPP, Cagayan	9
MINDANAO	
6. Pangapuyan DPP, Zamboanga Del Sur	91
TOTAL	289

F. PHOTOVOLTAIC MAINSTREAMING (PVM) PROJECTS

The PVM program is dedicated to accelerating and achieving total household electrification in remote areas that are too dispersed to be connected to a single grid or costly to connect to an existing power distribution system. Annex D provides a list of beneficiaries for FY 2025-2029. These beneficiaries consist of unserved households within existing NPC Mini-Grids, where extending the grid is not feasible due to the significant distance from the power plant. Each Solar Home System (SHS) package includes a 50 Wp solar panel, a charge controller with lithium-ion batteries, which can power four LED bulbs, a radio, a torchlight, and 5V DC USB ports for charging mobile phones. This initiative ensures that even the most isolated households have access to essential electrical services, significantly improving their quality of life.

For the past years NPC has already procured 4,708 Units of SHS. 993 of which were funded by DOE LFP-TEP Funds, and the rest are funded by government subsidy funds. NPC has successfully installed at least 3,597 units across the Philippines and is currently operated by NPC. Unfortunately, not all recipient of the project were supportive to this endeavor hence leading to the excess units. NPC is planning to reallocate the excess units to other areas in FY 2025.

Table 18: List of Previous Photovoltaic Mainstreaming (PVM) Projects

NAME OF PROJECT	NO. OF SHS UNIT		
	TARGET	INSTALLED	EXCESS
1,706 Units of 50Wp of SHS for Masbate, Bohol, Dinagat, Sulu and Basilan	1,706	1,092	614
993 Units of 50kW of SHS funded under TEP-1 FY 2021 for Maconacon and Divilacan, Isabela	993	579	414
651 Units of 50Wp of SHS for Calayan, Cagayan and Divilacan, Isabela	651	628	28
1,358 Units of 50WP of SHS for Palawan, Samar, Leyte and Bohol	1,358	1,303	55
TOTAL	4,708	1,303	1,111

Currently, NPC is unable to collect fees from this area pending the approval of its proposed tariff for collection. The primary objective of the tariff is not to recover capital expenditures but to sustain operations and facilitate the replacement of major components of the Solar Home System (SHS). NPC's proposed benchmark tariff, approved by the National Power Board on 08 March 2023, was subsequently filed with the Energy Regulatory Commission (ERC) on 07 June 2023 under ERC Case No. 2023-056 RC. Following a series of virtual hearings on 29 August and 12 September 2023, NPC filed its Formal Offer of Evidence (FOE) on 23 November 2023.

However, on 05 January 2024, NPC received an ERC Order dated 26 September 2023, dismissing the case due to a lack of legal basis. The order further directed NPC to cease collecting any rates for its Photovoltaic Mainstreaming (PVM) and SHS projects. Following the dismissal, NPC filed a new petition proposing its own regulatory framework for setting PVM tariffs in missionary areas. The petition, docketed on 29 August 2024 under ERC Case No. 2024-008 RM, is currently awaiting notice for public consultation.

I. ACCESS TO ELECTRICITY

The Table below shows the proposed area for the transfer of the uninstalled SHS Unit. The installation of the said units will depend on the acceptance of the recipients.

NAME OF PROJECT	NO. OF SHS UNIT
	TARGET
Luzon	552
1. Dalupiri, Calayan, Cagayan	33
2. Manapao, Claveria, Masbate	165
3. Nabasagan, Claveria, Masbate	352
Visayas	33
1. Lunang, Almagro, Western Samar	7
2. Cabungaan, Sto. Niño, Western Samar	8
3. Ilijan, Sto. Niño, Western Samar	5
4. Takut, Sto. Niño, Western Samar	9
5. Nocracan Island, Talibon, Bohol	22
6. Bantigue Island, Pres. Carlos P. Garcia, Bohol	2
Mindanao	125
1. Manalipa Island, Zamboanga City, Zamboanga Del Sur	54
2. Great Sta. Cruz Island, Zamboanga City, Zamboanga Del Sur	21
3. Tapiantana Island, Tabuan-Lasa, Basilan	50
TOTAL	730

Table 19: List of Target Excess Photovoltaic Mainstreaming (PVM) Units

PORTABLE PHOTOVOLTAIC MAINSTREAMING (PVM) PROJECTS

Portable SHS will also be provided to the communities under the watershed areas of NPC. These are the indigenous people who take care of the watersheds that support some of the hydro and geothermal electric power plants in the country. There are six (6) watersheds with 1,111 units of SHS have been delivered and is target to be given to household beneficiaries in 2025. The SHS units have a capacity of 30Wp. The plan provides a comprehensive list of data for the FY 2025 & 2026.

Table 20: List of Photovoltaic Mainstreaming (PVM) Projects

Province	Municipality	Barangay	2025	2026
			Target No. of Households	Target No. of Households
LUZON			948	2,821
Upper Agno River Watershed			395	2,821
Benguet	Atok	Caliking	69	
Benguet	Atok	Cattubo	82	
Benguet	Atok	Paoay	65	
Benguet	Atok	Poblacion	93	
Benguet	Atok	Topdac	83	
Benguet	Bokod	Ekip		40
Benguet	Bokod	Pito		51
Benguet	Bokod	Poblacion		48
Benguet	Buguias	Amgaleyguey		110
Benguet	Buguias	Amlimay		21
Benguet	Buguias	Bangao		349

I. ACCESS TO ELECTRICITY

Table 20: List of Portable Photovoltaic Mainstreaming (PVM) Projects

Province	Municipality	Barangay	2025	2026
			Target No. of Households	Target No. of Households
Benguet	Buguias	Buyacaoan		84
Benguet	Buguias	Calamagan		23
Benguet	Buguias	Catlubong		273
Benguet	Buguias	Poblacion (Central)		418
Benguet	Buguias	Baculongan Sur		156
Benguet	Buguias	Sebang		247
Benguet	Itogon	Loacan		40
Benguet	Kabayan	Ballay		223
Benguet	Kabayan	Bashoy		56
Benguet	Kabayan	Batan		20
Benguet	Kabayan	Duacan		28
Benguet	Kabayan	Eddet		78
Benguet	Kabayan	Gusaran		109
Benguet	Kabayan	Kabayan Barrio		6
Benguet	Kabayan	Lusod		49
Benguet	Kabayan	Pacso		116
Benguet	Kabayan	Poblacion (Central)		246
Benguet	Tublay	Ambassador		30
Angat Watershed			533	
Bulacan	Norzagaray	San Lorenzo (Sitio Dike)	113	
Bulacan	Norzagaray	San Lorenzo (Sitio Inuman)	60	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Anuling)	65	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Bunga)	25	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Pinag Anakan)	70	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Basyo)	53	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Iyak)	42	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Macau)	43	
Bulacan	Doña Remedios Trinidad	Kabayunan (Sitio Maputi)	59	
Buhi-Barit Watershed			14	
Camarines Sur	Buhi	Sta. Cruz	8	
Camarines Sur	Buhi	San Ramon	6	
Tiwi Watershed			2	
Albay	Tiwi	Joroan	2	
San Roque Watershed			4	
Benguet	Itogon	Ampucao	3	
Benguet	Itogon	Dalupirip	1	
Bukidnon	Maramag	La Roxas	1	
Bukidnon	Lantapan	Songco	2	
Bukidnon	Lantapan	Capitan Juan	3	
Bukidnon	Talakag	Sagaran	10	
Bukidnon	Libona	Capihan	147	
TOTAL			1,111	2,821

TRANSMISSION SYSTEM PROJECTS

The 2025-2029 Missionary Electrification Plan (MEP) emphasizes the completion and enhancement of the 69 kV transmission backbone in Masbate, Catanduanes, Marinduque, Basilan, Mindoro, and Palawan. This initiative is designed to:

Support load growth

- Prepare for additional generation capacity.
- Improve system reliability and power quality.
- Align with policy directions in the energy sector.

Key Developments:

1. Grid Modernization: NPC Projects: Focused on modernizing the Grid with grid resiliency measures to:

- Enhance power system reliability.
- Prepare the grid for its interconnection to the main grid.

2. Emerging Technologies and Integration: Collaboration with TransCo, the System Operator, and Electric Cooperatives to:

- Integrate emerging technologies.
- Facilitate the islands' future interconnection to the Main Grid.
- Expand energy access across underserved regions.

These projects underscore NPC's commitment to advancing infrastructure and energy reliability in these island provinces, laying the foundation for sustained development and energy equity.

Table 21: List of Planned Transmission Projects

A. TRANSMISSION LINE PROJECT	2025	2026	2027	2028	2029
CATANDUANES					
Construction of Codon - Caramoran 69 kV Transmission Line			29.00	29.00	
Construction of Caramoran - Viga 69 kV Transmission Line			65.00	65.00	
MASBATE					
Rehabilitation of Masbate (Malinta) - Mandaon (San Juan) 69 kV Transmission Line	32.00	32.00			
Construction of Uson - Cawayan 69 kV Transmission Line			40.00	40.00	
Construction of Cataingan - Esperanza 69 kV Transmission Line				40.00	40.00
PALAWAN					
Construction of Taytay - El Nido 69 kV Transmission Line (Schedule 1)*		30.00	30.00		
Construction of Taytay - El Nido 69 kV Transmission Line (Schedule 2)*		31.00	31.00		
Construction of Alimanguan - San Vicente 69 kV Transmission Line (Single Circuit)		20.00	20.00		
Construction of Brooke's Point - Bataraza 69 kV Transmission Line		33.00	33.00		
Construction of Abo-abo - Quezon 69 kV Transmission Line			24.00	24.00	
MARINDUQUE					
Supply & Erection/Installation of Buenavista-Torrijos 69 kV Transmission Line			28.75	28.75	
BASILAN					
Construction of Isabela – Lamitan 69 kV Transmission Line			31.50	31.50	
Construction of Isabela – Maluso 69 kV Transmission Line				37.00	37.00

Note:

1.The transmission system project timeline is two (2) years.

2. Green Font - Start year of implementation

3. Black Font - Target year of completion

II. POWER SYSTEM RELIABILITY & RESILIENCE

Table 22: List of Planned Substation, Switching Station and Miscellaneous Transmission Projects

B&C. SUBSTATION, SWITCHING STATION AND MISC. TRANSMISSION	2025	2026	2027	2028	2029
CATANDUANES					
Upgrading of Virac Substation from 10MVA to 20MVA	20.00				
Construction of Caramoran Substation Facility including Transfer of 5 MVA Power Transformer from Viga to Caramoran Substation and Transfer of 10 MVA Power Transformer from Virac to Viga Substation.			5.00	5.00	
MASBATE					
Construction of Uson Switching Station	✓	✓			
Construction of Masbate (Malinta) Substation	10.00	10.00			
PALAWAN					
Construction of Palawan Grid Central Control and Monitoring System at Irawan Switching Station and Upgrading of existing Substation Facilities Protection System		✓	✓		
Construction of San Vicente Substation	5.00	5.00			
Construction of Alimanguan Switching Station	✓	✓			
Construction of Bataraza Substation		5.00	5.00		
Construction of Abo-Abo Substation			5.00	5.00	
MARINDUQUE					
Construction of 5MVA Buenavista Substation including Electrical equipment of 69kV Feeder No. 2 of Mogpog Substation	5.00				
Replacement of Mogpog Substation's 10 MVA 2-winding, power transformer with 20 MVA step-down power transformer			20.00	20.00	
MINDORO					
Construction of Sablayan Switching Station	✓	✓			
Construction of Naujan Switching Station		✓	✓		
Construction of Pinamalayan Switching Station		✓	✓		
Construction of Roxas Switching Station		✓	✓		
Construction of Pulang Lupa Switching Station		✓	✓		
Upgrading of Mindoro 69 kV Grid Protection System		✓	✓		
Installation of Storm Guying at Selected Type B Poles	✓				
BASILAN					
Construction of Isabela Substation			15.00	15.00	
Construction of Lamitan Substation				10.00	10.00
Construction of Maluso Substation				5.00	5.00

Note:

1. The transmission system project timeline is two (2) years.
2. Green Font - Start year of implementation
3. Black Font - Target year of completion

For other areas under Extra Large and Large categories, NPC conducted studies to determine the possible development of a 69 kV Transmission System to support load growth and improve the electricity service while considering the Area Electrification Level, the EC's Distribution System Profile, EC's Forecasted Load Demand, and Entry of Generation through the ECs CSP.

II. POWER SYSTEM RELIABILITY & RESILIENCE

D. DISTRIBUTION LINE UPGRADING

To improve and provide reliable and sustainable supply in missionary areas, NPC has its distribution system upgrading program in existing areas. The program consists of line upgrading from single (1) phase to three (3) phase and interconnection program which are shown below. The plan has a list of projects for the Distribution Line Upgrading program for FY 2025-2026.

Table 23: List of Upgrading of Distribution Line in Existing Areas

Province	Project Type	No. of Project	
		2025	2026
VISAYAS			
1. Buluan DPP, W. Samar**	DL Upgrading	1.20	
2. Libucan DPP, W. Samar**	DL Upgrading	0.95	
3. Sibolo DPP, Antique**	DL Upgrading	1.5	
4. Batbatan DPP, Antique**	DL Upgrading	2.4	
5. Cabungaan DPP, W. Samar	Interconnection		7.10
6. Ilijan DPP, W. Samar			
7. Takut DPP, W. Samar			
8. Biasong DPP, W. Samar	Interconnection		8.5
9. Costa Rica DPP, W. Samar			
10. Lunang DPP, W. Samar			
TOTAL		6.05	15.60

Note:

** - GCC Target FY 2025, but may spill over to FY 2026 as foreseen in indicative timeline and FY 2025 SARO budget reduction

E. LEASE OF GENERATING UNITS

The NPC has decided to enter into lease agreements for generating sets in regions where the franchise DUs are currently engaged in a Competitive Selection Process (CSP) or have already expressed their intention to conduct a CSP for their power generation needs within the next five (5) years. This strategic initiative aims to facilitate a seamless transition and eventual replacement of these units in the respective areas once the New Power Provider (NPP) becomes operational. A detailed list of leased gensets for existing SPUG plants for FY 2025-2029 is provided in the plan.

Furthermore, NPC intends to engage in additional leasing agreements to address the increasing power demand in existing SPUG areas. This measure will be implemented while concurrently advancing the transition to renewable energy and/or until the private sector assumes responsibility for NPC's generation function in designated areas. Additionally, NPC is exploring the feasibility of leasing modular hybrid power systems as an alternative to traditional diesel-generating units. Annex I presents a comprehensive breakdown of capacity per area, factoring in the anticipated additional leasing of generating units.

Table 24: Summary of Lease of Generating Units

AREA	2025	2026	2027	2028	2029
	Capacity, MW				
A. LUZON	26.83	29.4	18.4	17.9	18.85
B. VISAYAS	0.03	0.03	1.03	1.03	1.03
C. MINDANAO	33.21	33.15	8.65	8.65	8.65
TOTAL (MW)	60.07	62.58	28.08	27.58	28.53

III. CLEAN AND AFFORDABLE ELECTRICITY

A. RENEWABLE ENERGY (EXISTING AREAS)

RE pursuits aim to establish a sustainable and dependable energy supply that is economically viable and easily accessible. Additionally, it seeks to mitigate the reliance on non-renewable fossil fuels. The complete list of renewable energy initiatives during the period spanning from CY 2025 to 2029 is shown in the MEP.

Table 25: Renewable Energy for Existing Areas (Ongoing/Completed projects)

SUBSTANTIALLY COMPLETED PROJECTS			
LOCATION	PROVINCE	RE Capacity	
		Solar PV, kWp	BESS, kWh
LUZON		650	260
1. Palumbanes Solar PV Power Plant (with ESS)	Catanduanes	30	20
2. Palanan Solar PV Power Plant (with ESS)	Isabela	150	120
3. Rapu-Rapu PV Power Plant (with ESS)	Albay	500	120
VISAYAS		55	60
4. Cuaming Solar PV Power Plant (with ESS)	Bohol	55	60
TOTAL		735	320

Table 26: FY 2025 Renewable Energy for Existing Areas

2025			
AREAS WITH EXISTING NPC SPUG PLANTS FOR HYBRIDIZATION			
LOCATION	PROVINCE	Proposed Capacity	
		Solar PV, kWp	BESS, kWh
LUZON		1,650	690
1. Kalayan Solar PV Power Plant (with ESS)	Palawan	150	150
2. Calayan Solar PV Power Plant (with ESS)	Cagayan	400	60
3. Batan Solar PV Power Plant (with ESS)	Albay	300	120
4. Calutcot Solar PV Power Plant (with ESS)	Quezon	60	60
5. Butawan Solar PV Power Plant (with ESS)	Camarines Sur	40	60
6. San Pascual Solar PV Power Plant (with ESS)	Masbate	500	120
7. Naro Solar PV Power Plant (with ESS)	Masbate	150	60
8. Osmeña Solar PV Power Plant (with ESS)	Masbate	60	60
VISAYAS		540	510
9. Maripipi Solar PV Power Plant (with ESS)	Biliran	150	150
10. Sibolo Solar PV Power Plant (with ESS)	Antique	40	60
11. Balicasag Solar PV Power Plant (with ESS)	Bohol	55	60
12. Batbatan Solar PV Power Plant (with ESS)	Antique	150	120
13. Libucan Solar PV Power Plant (with ESS)	Western Samar	100	60
14 Bagongon Solar PV Power Plant (with ESS)	Western Samar	45	60
TOTAL		2,200	1,200

III. CLEAN AND AFFORDABLE ELECTRICITY

B. OTHER RENEWABLE ENERGY SOURCES

While NPC is actively pursuing renewable energy projects through solar initiatives, it is also conducting wind, hydro, and biomass resource assessments in existing NPC-SPUG areas. These assessments aim to identify the most viable renewable energy sources to complement or replace diesel power plants in off-grid locations. By evaluating wind speeds, hydro potential, and biomass availability, NPC ensures that future power generation solutions are sustainable, cost-effective, and tailored to each area's natural resources. This multi-resource approach aligns with NPC's goal of reducing diesel dependency, lowering costs, and supporting the Total Electrification Program with diverse renewable energy solutions.

IV. PILOT PROJECTS

NPC PILOT PROJECTS

Aside from NPC's hybridization program, NPC plans to study and implement initiatives on sustainability. One of which is the use 100% Crude Palm Oil (CPO) for SPUG gensets, NPC plans to pilot this scheme in two (2) SPUG power plant. Retrofitting or procuring new gensets that consumes CPO instead of fossil fuels are being evaluated to which will be more viable for NPC.

NPC is also looking at putting up ancillary or security capacity in off-grid areas in Mindoro, Palawan, Catanduanes, and Marinduque.

V. NPC SPUG PROJECTS

NPC SPUG PROJECTS

For the improvement of SPUG facilities, NPC will construction Fuel Oil Storage Tanks (FOST). This storage tanks are containers that specifically designed to store fuel oil safely and efficiently. The requirement of FOSTs will also complement the plant and programs of NPC to increase the service hours in the area. These tanks will ensure that the NPC power plants will not have power outages accounted for insufficient fuel, hence addressing power reliability and resiliency issues.

Other improvement projects are the Restoration and rehabilitation of existing NPC facilities. These activities for existing power facilities are crucial to ensure the reliability, efficiency, and sustainability of NPC's infrastructure. These facilities face inevitable wear and tear due to their age that can compromise their performance, safety, and environmental compliance. NPC extend the lifespan of these facilities, enhance their operational efficiency and reduce the risk of unexpected breakdowns by undertaking rehabilitation and restoration efforts

ACCELERATED HYBRIDIZATION PROJECT (AHP) FOR NPC-SPUG DIESEL POWER PLANTS

NPC in its Accelerated Hybridization Program (AHP) for SPUG will procure services of Renewable Energy Power Producers (REPP) for the construction and operation of an RE facility. The REPP will supply energy/ power to the grid as a supplement or replacement to diesel genset operation at a price not exceeding the SAGR.

The Project aims to lower UCME subsidies, reduce the use of diesel fuel and its cost, and provide a mechanism for meeting the RPS requirements for Off-Grid Areas.

The pilot clusters for the hybridization project are in Batanes, Palawan, Bicol, and Tawi-Tawi as shown in Table 27 below.

Table 27: List of Acceleration Hybridization Project in Batanes

<table><tr><th>CLUSTER 1A - BATANES</th></tr><tr><th>(SAGR = ₱ 7.3900/kWh)</th></tr><tr><th>NPC-SPUG DIESEL POWER PLANTS</th></tr><tr><td>1. Basco DPP</td></tr><tr><td>2. Itbayat DPP</td></tr><tr><td>3. Sabtang DPP</td></tr></table>	CLUSTER 1A - BATANES	(SAGR = ₱ 7.3900/kWh)	NPC-SPUG DIESEL POWER PLANTS	1. Basco DPP	2. Itbayat DPP	3. Sabtang DPP	<table><tr><th>CLUSTER 4A - PALAWAN</th></tr><tr><th>(SAGR = ₱ 7.3900/kWh)</th></tr><tr><th>NPC-SPUG DIESEL POWER PLANTS</th></tr><tr><td>1. Cuyo DPP</td></tr><tr><td>2. Rizal DPP</td></tr><tr><td>3. San Vicente DPP</td></tr><tr><td>4. Biton DPP</td></tr><tr><td>5. Casian DPP</td></tr><tr><td>6. Paly DPP</td></tr><tr><td>7. Nangalao DPP</td></tr><tr><td>8. Tara DPP</td></tr></table>	CLUSTER 4A - PALAWAN	(SAGR = ₱ 7.3900/kWh)	NPC-SPUG DIESEL POWER PLANTS	1. Cuyo DPP	2. Rizal DPP	3. San Vicente DPP	4. Biton DPP	5. Casian DPP	6. Paly DPP	7. Nangalao DPP	8. Tara DPP
CLUSTER 1A - BATANES																		
(SAGR = ₱ 7.3900/kWh)																		
NPC-SPUG DIESEL POWER PLANTS																		
1. Basco DPP																		
2. Itbayat DPP																		
3. Sabtang DPP																		
CLUSTER 4A - PALAWAN																		
(SAGR = ₱ 7.3900/kWh)																		
NPC-SPUG DIESEL POWER PLANTS																		
1. Cuyo DPP																		
2. Rizal DPP																		
3. San Vicente DPP																		
4. Biton DPP																		
5. Casian DPP																		
6. Paly DPP																		
7. Nangalao DPP																		
8. Tara DPP																		
<table><tr><th>CLUSTER 5A - BICOL</th></tr><tr><th>(SAGR = ₱ 6.5520/kWh)</th></tr><tr><th>NPC-SPUG DIESEL POWER PLANTS</th></tr><tr><td>1. Ticao DPP, Masbate</td></tr><tr><td>2. Calaguas DPP, Camarines Norte</td></tr><tr><td>3. Atulayan DPP, Camarines Sur</td></tr></table>	CLUSTER 5A - BICOL	(SAGR = ₱ 6.5520/kWh)	NPC-SPUG DIESEL POWER PLANTS	1. Ticao DPP, Masbate	2. Calaguas DPP, Camarines Norte	3. Atulayan DPP, Camarines Sur	<table><tr><th>CLUSTER 10 - TAWI-TAWI</th></tr><tr><th>(SAGR = ₱ 6.7072/kWh)</th></tr><tr><th>NPC-SPUG DIESEL POWER PLANTS</th></tr><tr><td>1. Mapun DPP</td></tr><tr><td>2. Balimbing DPP</td></tr><tr><td>3. Languyan DPP</td></tr><tr><td>4. Manuk Mangkaw DPP</td></tr><tr><td>5. West Simunul DPP</td></tr><tr><td>6. Tandubas DPP</td></tr><tr><td>7. Sibutu DPP</td></tr></table>	CLUSTER 10 - TAWI-TAWI	(SAGR = ₱ 6.7072/kWh)	NPC-SPUG DIESEL POWER PLANTS	1. Mapun DPP	2. Balimbing DPP	3. Languyan DPP	4. Manuk Mangkaw DPP	5. West Simunul DPP	6. Tandubas DPP	7. Sibutu DPP	
CLUSTER 5A - BICOL																		
(SAGR = ₱ 6.5520/kWh)																		
NPC-SPUG DIESEL POWER PLANTS																		
1. Ticao DPP, Masbate																		
2. Calaguas DPP, Camarines Norte																		
3. Atulayan DPP, Camarines Sur																		
CLUSTER 10 - TAWI-TAWI																		
(SAGR = ₱ 6.7072/kWh)																		
NPC-SPUG DIESEL POWER PLANTS																		
1. Mapun DPP																		
2. Balimbing DPP																		
3. Languyan DPP																		
4. Manuk Mangkaw DPP																		
5. West Simunul DPP																		
6. Tandubas DPP																		
7. Sibutu DPP																		

CAPACITY ADDITION FOR GENERATION (EXISTING AREAS - SPILL OVER)

The remaining capacity addition projects of NPC are spill-over projects from previous MEPs funded under prior years' national government (NG) subsidy and Total Electrification Program (TEP). The capacity addition projects in existing areas are the last batch of genset procurement as NPC transitions into cleaner energy sources. Implementing this system will not only ensure the dependability and effectiveness of power provision in missionary regions, but it will also provide infrastructure for unserved households and cater to the increasing electricity needs of the underserved.

Table 28: Capacity Addition for Existing Areas (Spill-Over)

PLANT NAME	(SPILL-OVER)			
	Qty	kW	Total (kW)	Cost (in Million PhP)
GRAND TOTAL	10		430	44.04
REGION VI (WESTERN VISAYAS)				
Antique				
Sibolo DPP	2	40	80	20.15
Guimaras				
Guiwanon DPP	2	50	100	
REGION VIII (EASTERN VISAYAS)				
Eastern Samar				
Hilabaan DPP	2	50	100	23.89
Sta. Monica DPP	2	50	100	
Tikling DPP	2	25	50	

UNSERVED/NEW AREAS FOR ELECTRIFICATION

To energize the unserved remote areas, this aligns with the government's objective of achieving complete electrification across the entire nation. Spillover projects for new/unserved areas are anticipated to be completed and operated by the end of FY 2025 once the regulatory permits are acquired.

Table 29: Unserved/New Areas for Electrification

PLANT NAME	(SPILL-OVER)			
	Qty	kW	Total (kW)	Cost (in Million PhP)
GRAND TOTAL	36		2,450	425.72
LUZON AREA	6		480	49.86
REGION IV-A (CALABARZON)				
Quezon				
Calutcot DPP	2	50	100	11.13
REGION V (BICOL)				
Masbate				
Jintotolo DPP	2	150	300	26.50
Camarines Sur				
Butawan DPP	1	50	50	12.23
	1	30	30	

Table 30: Unserved/New Areas for Electrification

PLANT NAME	(SPILL-OVER)			
	Qty	kW	Total (kW)	Cost (in Million PhP)
MINDANAO AREA	30		2,170	407.45
BARMM				
Basilan				
Saluping DPP	2	50	100	39.58
Bubuan DPP	2	40	80	
Baluk-Baluk DPP	2	60	120	30.72
Palahangan DPP	2	50	100	32.16
Sulu				
Bucutua DPP	2	100	200	26.06
Bulan DPP	2	60	120	23.51
Banguingui DPP	2	30	60	20.27
Paarol DPP	2	30	60	20.30
Bangalaw DPP	2	30	60	20.12
Tattalan DPP	2	60	120	32.34
Tawi-Tawi				
Sikubong DPP	2	150	300	28.60
Baldatal DPP	2	50	100	58.99
Latuan DPP	2	75	150	
Mantabuan DPP	2	150	300	38.04
Banaran DPP	2	150	300	36.76

RENEWABLE ENERGY DEVELOPMENT

In compliance with the provisions of Republic Act No. 9513, known as the "Renewable Energy Act of 2008," and the Department of Energy Circular No. DC2023-05-0014, which outlines the "Revised Renewable Portfolio Standards (RPS) Off-Grid Rules", NPC is mandated to source a specified minimum percentage of its annual electricity production from renewable energy sources within the applicable geographical region. This mandate aligns with the Corporation's mission to transition to clean and green energy generation and provide electricity to underserved areas.

The MEP likewise aligns with the initiatives of the National Renewable Energy Board (NREB), particularly the implementation of renewable energy projects in SPUG regions. The main objective of these projects is to reduce the consumption of diesel fossil fuel and transition NPC's generation mix to cleaner and greener mix.

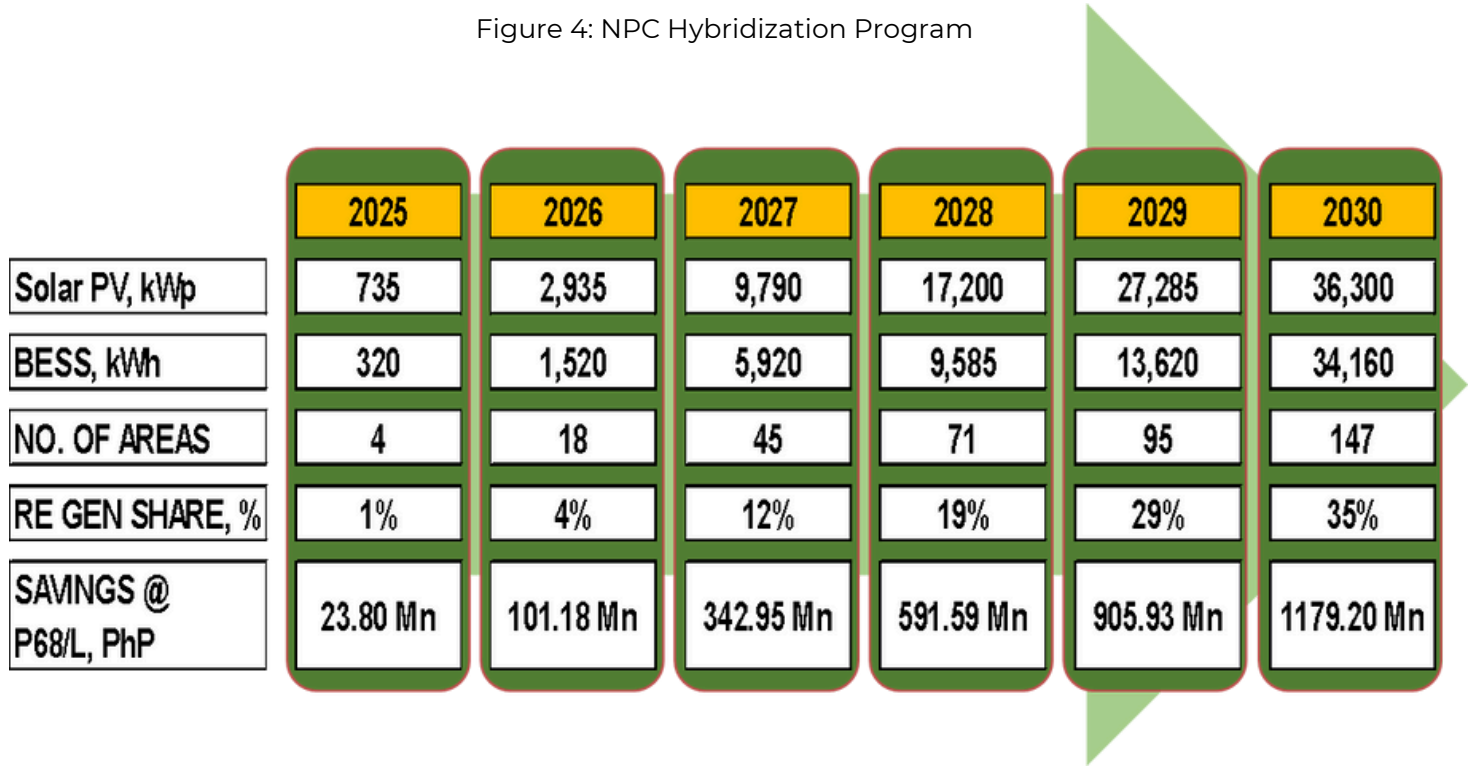
NPC faces several challenges in developing renewable energy projects. These include:

1. High Capital Expenditure (CAPEX) and Fund Availability: The significant initial investment required for RE projects, along with securing sufficient funding, poses a substantial challenge.
2. Distribution Utilities' (DUs) Programs: Distribution utilities have their own programs for Power Supply Procurement (PSP) in their respective areas, which encompass renewable energy initiatives. This can sometimes lead to overlapping efforts or competition for resources.

3. Feasibility of Hybridization: Not all NPC power plants are feasible for hybridization due to the absence of suitable sites or topographical challenges.
4. Right-of-Way (ROW) Concerns: Solar PV installations often require large areas, estimated at approximately 1.6 hectares per 1 MW of capacity. This necessitates careful site placement adjustments.
5. Distance of Existing Primary Lines: The proximity of existing primary lines, particularly those operating at 13.2 kV and utilizing a 3-phase system belonging to the DU, is a critical factor that needs consideration.
6. Permits and Regulatory Compliance: Obtaining the necessary permits and complying with regulatory requirements can be time-consuming, especially if the site falls within protected areas or regions with ancestral domains.

Although the implementation RE programs presents significant challenges, NPC remains resolute in overcoming these obstacles. NPC is dedicated to expanding its renewable energy capacities over time by continuously seeking innovative solutions.

Figure 4: NPC Hybridization Program



The hybridization program of NPC from 2025 to 2030 shows the annual installed capacity of Solar PV and Battery Energy Storage System, the annual RE generation share upon completion of the programmed RE projects and the projected fuel avoided cost/savings from the utilization of the renewable energy.



Palumbanes Solar PV with ESS

NPC has substantially completed Four (4) Solar-Diesel-Battery Hybrid projects in Cuaming in Bohol-55kWp Palumbanes in Catanduanes-30kWp, Palanan in Isabela-150kWp and Rapu-rapu in Albay – 500kWp. These project are ready to operate pending the issuances of necessary operating permits. These projects will only contribute 1% of RE share by CY2025 (upon commercial operation). Please note that the program year corresponds to the implementation period, which means that the impact on fuel consumption will commence in the subsequent year.

Table 31: Unserved/New Areas for Electrification

PROGRAM YEAR	ANNUAL DELIVERABLES			ANNUAL CAPEX REQUIREMENTS, Million Php	PROJECTED RE GENERATION PER PROJECT, MWh	PROJECTED RE SHARE, % SPUG GEN MIX	PROJECTED SAVINGS (ACCUMULATED)	
	NO. OF AREAS	SPV, kWp	BESS, kWh				FUEL, kLiters	SAVINGS, Million @ P68/L
2024	4	735	320	152.89	1,063.47			
2025	14	2,200	1,200	500.52	3,291.76	1%	349.98	23.80
2026	27	6,855	4,400	1,593.07	10,598.89	4%	1,487.98	101.18
2027	26	7,410	3,655	1,354.54	10,794.69	11%	5,043.41	342.95
2028	24	10,085	4,035	1,614.41	14,097.15	18%	8,699.88	591.59
2029	52	9,015	20,540	5,191.50	12,345.32	28%	13,322.51	905.93
2030						35%	17,341.14	1,179.20
TOTAL	147	36,300	34,160	10,406.94	52,191.28		46,244.90	3,144.65

This will be followed by 14 more hybridization projects in CY2025 with a total Solar PV capacity of 2,200kWp and 1,200kWh of Battery Energy Storage System (BESS). These projects are targeted to be completed in CY 2025 and operate in CY 2026 once operating permits have been acquired. These 18 projects together will contribute 4% in NPC's RE generation and are projected to generate savings from reduction of fuel consumption of Php 101.18 Mn.

By CY2030, NPC has programmed Diesel-Solar PV with Battery Hybridization with a total capacity of Solar PV capacity of 36,300 kWp and BESS capacity of 34,160kWh for the 147 SPUG diesel power plants. The hybridization projects of NPC will accumulate fuel savings/avoided cost of around P 3.14 Bn at P68/L (equivalent 46.24mn liters) as shown in table 31, while the total estimated capital requirement for these projects is PhP 10.41Bn.

RENEWABLE PORTFOLIO STANDARDS

NPC through its Small Power Utilities Group (SPUG), is committed to complying with the Renewable Portfolio Standards (RPS) rules for off-grid areas. These rules issued by the Department of Energy (DOE), mandate the sourcing of a portion of power supply from eligible renewable energy (RE) resources. NPC's proposed compliance plan includes strategies to minimize conventional fuel use in power generation facilities, ensuring sustainable and environmentally friendly energy solutions for off-grid and missionary areas.

Table 32: Unserved/New Areas for Electrification

PROGRAM YEAR	ANNUAL DELIVERABLES			ESTIMATED RECs GENERATED (1REC = 1MWh), RECs	ESTIMATED ANNUAL RECs FOR COMPLIANCE, RECs
	NO. OF AREAS	SPV, kWp	BESS, kWh		
2026	-	-	-	-	-
2027	18	2,935	1,520	3,951	3,951
2028	25	6,330	3,000	8,847	12,798
2029	28	7,935	5,065	11,210	24,008
2030	24	10,085	4,035	14,424	38,432
2031	52	9,015	20,540	12,729	51,161
TOTAL	147	36,300	34,160	51,161.20	51,161.00

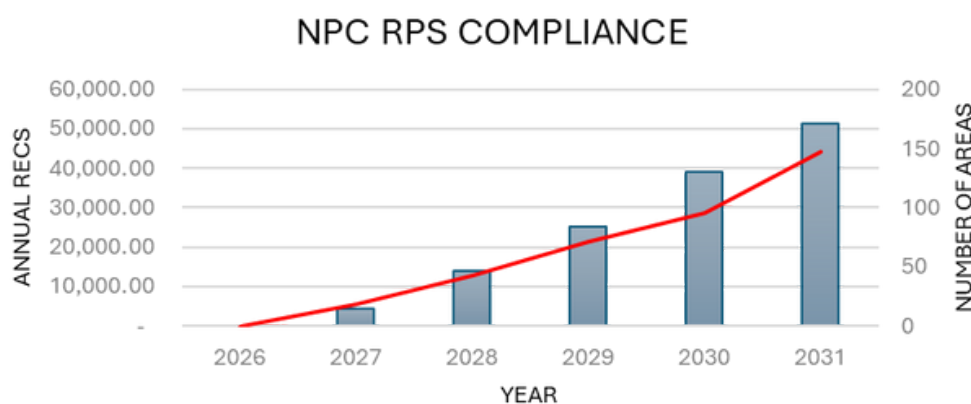


Figure 5: NPC RPS COMPLIANCE

NPC's proposed compliance plan considers the following:

- The RPS compliance plan is still subject to the actual timeline of acquisition of Operating and Regulatory Permits.
- Capacities and Estimated RECs of areas in 2028 onwards are still subject to actual site assessment and further simulations.
- The proposed timeline includes the 1-year evaluation period to check if the simulations results are met.

Table 32, highlights NPC Proposed RPS Compliance plan from 2026-2031. In FY 2027, 18 projects are estimated to operate and generate at least 3,951 RECs that will form part of NPC compliance.

INCREASE IN OPERATING HOURS

As NPC is mandated to electrify missionary areas 24/7, a preliminary assessment was undertaken to ascertain the adequacy of power supply, fuel, and personnel complement before extending the operational hours of a power facility. The consideration of fuel availability for fuel storage was also taken into account.

The potential increase of operating hours is contingent upon the successful completion of capacity addition projects, renewable energy program, new lease genset program, and the allocation of adequate funds for fuel procurement. The comprehensive inventory of existing areas and underserved/new areas with the proposed increase in operating hours for the period of FY 2025-2029.

PRIVATIZATION PROGRAM

Following Department Circular No. DC2022-05-0017, titled "Rules and Regulations for the Implementation of Republic Act No. 11646, also known as the Microgrid Systems Act," NPC is required to develop and provide to the DOE a thorough and detailed Graduation Plan. The purpose of this plan is to encourage private sector involvement in areas that are currently exclusively serviced by NPC. a total of seventeen (17) SPUG Mini-Grids have been included in the National Power Corporation's Graduation Plan and submitted to the DOE as elaborated in the table below:

Table 33: NPC Privatization Program

MAJOR ISLAND	CLUSTER/ PACKAGE NO.	TOTAL RATED CAPACITY (kW)	NO. OF MINI-GRID	NO. OF SERVED HOUSEHOLD	PROPOSED TIMELINE
VISAYAS	1	561	3	500	2027
	2	1,255	7	56	2027
MINDANAO	3	190	5	1,938	2028
	4	300	2	1,098	2028
TOTAL	4	2,306	17	3,592	

STATUS OF LOCALLY FUNDED PROJECT - TOTAL ELECTRIFICATION PROGRAM OF NPC

I. Locally Funded Project - Total Electrification Program (LFP-TEP) FY 2021

On 24 May 2018, the DOE issued Department Order (DO) No. DO2018-05-0010, establishing the "Task Force E-Power Mo" (TFEM). The primary objective of TFEM is to facilitate electricity accessibility for communities that are currently lacking or are inadequately served by Distribution Utilities, under the obligations outlined in their franchises and in alignment with the directives of former President Rodrigo Roa Duterte.

NPC, as a participant in the DOE's program, has continuing projects that are supported under LFP-TEP FY 2021. The status of these projects, as of the 1st Quarter of 2023, has been documented and provided to the DOE on 14 April 2023. This submission is contained in the Memorandum of Agreement (MOA) between NPC and DOE.

Projects	Target HHS	No. of Areas	Project Accomplishment (%)	Status as of December 2024
1. Enhanced Nationwide Intensification of Household Electrification (NIHE)	993	11	100%	Actual completion: 26 May 2023
2. Distribution Line Extension - Barangay Line Enhancement Program	2,135	5	100%	Actual completion: May-Jun 2023
3. Household Electrical Connection (HEC)	183	3	100%	Actual completion: 13 Mar 2023
4. New Mini-Grid	3,563	4	98.07%	Substantially Completed. JFI conducted August -November 2024 Ongoing Rectification of Punch Lists
TOTAL	6,874	23	99.52%	

Table 34: Summary of NPC's SPUG Mini-Grids for MGSP

On 24 May 2018, the DOE issued Department Order (DO) No. DO2018-05-0010, establishing the "Task Force E-Power Mo" (TFEM). The primary objective of TFEM is to facilitate electricity accessibility for communities that are currently lacking or are inadequately served by Distribution Utilities, under the obligations outlined in their franchises and in alignment with the directives of former President Rodrigo Roa Duterte.

NPC, as a participant in the DOE's program, continues to implement the projects funded by the LFP-TEP FY 2021 and FY 2022.

Table 35: NPC's Project funded under LFP-TEP FY 2021

Projects	Target HHS	No. of Areas	Project Accomplishment (%)	Status as of December 2024
1. Enhanced Nationwide Intensification of Household Electrification (NIHE)	116	5	100%	Completed Project. Ongoing Processing of Certificate of Project Completion.
2. Portable Photovoltaic (PV) Mainstreaming or Solar Home Systems (SHS)	1,111	6	9.75%	- Ongoing submission of documents and brochures for NPC approval. - Completed manufacturing. Ongoing shipment/delivery.
TOTAL	6,874	23	99.52%	

DEVELOPMENTAL CHALLENGES IN THE IMPLEMENTATION OF PLANS AND PROGRAMS IN THE MISSIONARY ELECTRIFICATION PLAN

The implementation of Plans & Programs in the Missionary Electrification Plan (MEP) is influenced by several causes and challenges:



The low implementation rate of NPC projects is primarily due to the limited number of interested bidders, resulting in bidding failures and contractor defaults. These setbacks often lead to postponements and significant delays in project completion. Moreover, the acquisition of Right of Way (ROW) or lots is another major factor contributing to project delays.



The acquisition of tenurial instruments for new areas is a complex process governed by regulatory regulations that necessitate an extended duration. It is essential to address this challenge proactively to ensure the timely implementation of projects. Additionally, the temporal relationship between the arrival of generating sets or renewable energy equipment/instrument at the site and the regulatory compliances such as Solar Energy Operating Contract (SEOC) application through EVOSS, Certificate of Compliance (COC) application to the Energy Regulatory Commission (ERC) and the Permit to Operate (PTO) to the Department of Environment and Natural Resources (DENR) is being closely examined.



A portion of the National Government (NG) Subsidy allocated for planned projects is being utilized to provide subsidies for fuel, New Power Providers (NPPs), and Missionary Generation Service Providers/Qualified Third Parties (MGSP/QTP). This allocation is significantly impacted by the escalating global fuel prices.



Force Majeure: The project has encountered substantial delays during both the pre-implementation and implementation stages due to unforeseen force majeure events, resulting in considerable challenges in accessing the area. These events have significantly hindered progress, and as a consequence, delays in the shipment of products have further compounded the deferment of project completion.



Accessibility issues in remote areas present significant challenges in missionary settings, stemming from various factors such as inadequate infrastructure and transportation options, limited financial resources, and the complexities of gaining entry into these regions. These obstacles often lead to delays during the implementation phase.



Environmental issues present substantial challenges to the successful implementation of the Missionary Electrification Plan. These challenges primarily involve the imperative to safeguard the environment from the adverse impacts associated with electricity generation and transmission. Additionally, delays in the implementation process often arise due to the necessary clearances required to ensure environmental protection.

MOVING FORWARD

NPC is steadfast in its commitment to support the government's efforts to achieve complete electrification of remote and underprivileged regions in the country. The Corporation is dedicated to enhancing its operations and services to improve the quality of life in off-grid areas.

NPC will continuously seek additional funding options for the implementation of this Missionary Electrification Program (MEP) by consistently and punctually submitting its rate adjustments/recoveries and Universal Charge for Missionary Electrification (UCME) requirements to the Energy Regulatory Commission (ERC).

This proposed initiatives aim to align with current state policies, particularly those focused on advancing a low-carbon trajectory. The NPC's transition facilitates the widespread adoption of accessible, clean, dependable, and cost-effective energy sources. Furthermore, the initiative seeks to explore and study alternative renewable energy technologies that can be implemented within the Small Power Utilities Group (SPUG) areas. NPC also intends to conduct a comprehensive study on the interconnection of SPUG island grids to enhance electricity supply and maximize the utilization of government resources and funding. The outcomes of these studies will be incorporated into the Corporation's future MEP.

NPC will consistently strategize and implement initiatives aimed at enhancing and modernizing the current transmission infrastructure in off-grid regions. These efforts are intended to accommodate increasing power demands and ensure the system's preparedness for integration with the Main Grid. NPC plans to establish a 69 kV Transmission System in the missionary area to facilitate load development and ensure the provision of sufficient, efficient, and dependable electricity services.

The Corporation will endeavor to maintain close and harmonious relationships with other government agencies and stakeholders. It will continue to conduct customer forums as an avenue for interaction and collaboration. Additionally, NPC will remain actively engaged in evaluating the Terms of Reference (TOR) of the Distribution Utilities (DUs) to ensure the effective implementation of the Competitive Selection Process (CSP).

Through these concerted efforts, NPC reaffirms its dedication to providing reliable and sustainable energy solutions that contribute to the overall development and well-being of the nation's most underserved communities.

ABBREVIATIONS & ACRONYMS

APP	ALTERNATIVE POWER PRODUCER
AWG	AMERICAN WIRE GAUGE
BESS	BATTERY ENERGY STORAGE SYSTEM
BLEP	BARANGAY LINE ENHANCEMENT PROGRAM
CAG	CORPORATE AFFAIRS GROUP
CAPEX	CAPITAL EXPENDITURE
CKT KMS	CIRCUIT KILOMETER
COC	CERTIFICATE OF COMPLIANCE
CSP	COMPETITIVE SELECTION PROCESS
DA	DEPARTMENT OF AGRICULTURE
DAA	DEFERRED ACCOUNTING ADJUSTMENTS
DBM	DEPARTMENT OF BUDGET AND MANAGEMENT
DC	DIRECT CURRENT
DENR	DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DILG	DEPARTMENT OF THE INTERIOR AND LEGAL GOVERNMENT
DMPC	DMCI MASBATE POWER CORPORATION
DO	DEPARTMENT ORDER
DOE	DEPARTMENT OF ENERGY
DOF	DEPARTMENT OF FINANCE
DPP	DIESEL POWER PLANT
DTI	DEPARTMENT OF TRADE AND INDUSTRY
DU	DISTRIBUTION UTILITY
EC	ELECTRIC COOPERATIVE
EPIRA	ELECTRIC POWER INDUSTRY REFORM ACT
ERC	ENERGY REGULATORY COMMISSION
ESD	ENERGY SERVICES DEPARTMENT
ESS	ENERGY STORAGE SYSTEM
FOREX	FOREIGN EXCHANGE
FOST	FUEL OIL STORAGE TANK
FRIP	FUEL RATE IMPROVEMENT PROGRAM
GOCC	GOVERNMENT-OWNED CONTROLLED CORPORATION
GRAM	GENERATION RATE ADJUSTMENT MECHANISM
HEC	HOUSEHOLD ELECTRICAL CONNECTION
HEPP	HYDRO-ELECTRIC POWER PLANT
HHS	HOUSEHOLDS
ICERA	INCREMENTAL CURRENCY EXCHANGE RATE ADJUSTMENT
IEC	INTERNATIONAL ELECTROTECHNICAL COMMISSION
IPP	INDEPENDENT POWER PRODUCER
IRR	IMPLEMENTING RULES AND REGULATIONS
KV	KILOVOLT
KW	KILOWATTS
KWH	KILO-WATT HOUR
KWP	KILO-WATT PEAK
LED	LIGHT EMITTING DIODE
LFP-TEP	LOCALLY FUNDED PROJECT - TOTAL ELECTRIFICATION PROGRAM
LGU	LOCAL GOVERNMENT UNITS
M&TE	MEASURING & TEST EQUIPMENT

ABBREVIATIONS & ACRONYMS

MARELCO	MARINDUQUE ELECTRIC COOPERATIVE INCORPORATED
MASELCO	MASBATE ELECTRIC COOPERATIVE INCORPORATED
MEDP	MISSIONARY ELECTRIFICATION DEVELOPMENT PLAN
MEP	MISSIONARY ELECTRIFICATION PLAN
MGSP/QTP	MICROGRID SYSTEM PROVIDER / QUALIFIED THRID PARTY
MMP	MAINTENANCE MANAGEMENT PROGRAM
MOA	MEMORANDUM OF AGREEMENT
MVA	MEGAVOLT-AMPRE
MW	MEGAWATT
MWH	MEGAWATT HOUR
MWP	MEGAWATT PEAK
N-1	RESERVE CAPACITY
NEA	NATIONAL ELECTRIFICATION ADMINISTRATION
NEDA	NATIONAL ECONOMIC AND DEVELOPMENT AUTHORITY
NPC	NATIONAL POWER CORPORATION
NPP	NEW POWER PROVIDER
NREB	NATIONAL RENEWABLE ENERGY BOARD
O&M	OPERATIONS AND MAINTENANCE
PA	PHILIPPINE ARMY
PCG	PHILIPPINE COAST GUARD
PES	POWER ENENGINEERING SERVICES
PHP	PHILIPPINE PESO
PNP	PHILIPPINE NATIONAL POLICE
PRES	PHILIPPINE RURAL ELECTRIFICATION SERVICES
PSA	PHILIPPINE STATISTICS AUTHORITY
PSALM	POWER SECTOR AND ASSETS LIABILITIES MANAGEMENT CORPORATION
PSP	PRIVATE SECTOR PARTICIPATION
PTO	PERMIT TO OPERATE
PV	PHOTO-VOLTAIC
PVM	PHOTO-VOLTAIC MAINSTREAMING
RA 9136	ELECTRIC POWER INDUSTRY REFORM ACT OF 2001
RA 9513	RENEWABLE ENERGY ACT OF 2008
RE	RENEWABLE ENERGY
RED	RENEWABLE ENERGY DEVELOPERS
ROW	RIGHT-OF-WAY
RPS	RENEWABLE PORTFOLIO STANDARDS
S/S	SUBSTATION
SAGR	SUBSIDIZED APPROVED GENERATION RATE
SARO	SPECIAL ALLOTMENT RELEASE ORDER
SHS	SOLAR HOME SYSTEM
SPMP	SPARE PARTS MANAGEMENT PROGRAM
SPUG	SMALL POWER UTILITIES GROUP

ABBREVIATIONS & ACRONYMS

T/L	TRANSMISSIONLINE
TCGR	TRUE COST GENERATION RATE
TEP	TOTAL ELECTRIFICATION PROGRAM
TFEM	TASK FORCE E-POWER MO
TOR	TRANSCRIPT OF RECORDS
UCME	UNIVERSAL CHARGE FOR MISSIONARY ELECTRIFICATION
USB	UNIVERSAL SERIAL BUS
WMD	WATERSHED MANAGEMENT DEPARTMENT
WP	WATT PEAK

ANNEXES

LIST OF ATTACHMENTS

ANNEX A - SPUG POWER PLANTS STATISTICS

ANNEX B - LIST OF DIESEL SOLAR HYBRIDIZATION - UNSERVED OR NEW AREAS

ANNEX C - LIST OF UNSERVED NEW AREAS WITH DISTRIBUTION LINE PROJECTS

ANNEX D - LIST OF DISTRIBUTION LINE EXTENSION PROJECTS FOR EXISTING AREAS

ANNEX E - LIST OF UNSERVED/NEW AREAS WITH DISTRIBUTION LINE PROJECTS

ANNEX F - LIST OF POWER PLANTS WITH HOUSEHOLD ELECTRICAL CONNECTION
(HEC) PROJECTS

ANNEX G - LIST OF UNSERVED NEW AREAS FOR PV MAINSTREAMING

ANNEX H - LIST OF UNSERVED NEW AREAS FOR PORTABLE PV MAINSTREAMING

ANNEX I - LIST OF 69KV TRANSMISSION LINES PROJECTS

ANNEX J - LIST OF SUBSTATION PROJECTS, SWITCHING STATION AND
MISCELLANEOUS TRANSMISSION PROJECT

ANNEX K - LIST OF UPGRADING DISTRIBUTION LINE PROJECTS

ANNEX L - LIST OF LEASE OF GENSETS

ANNEX M - LIST OF DIESEL SOLAR HYBRIDIZATION – EXISTING AREAS

ANNEX N - LIST OF NPC PILOT PROJECTS

ANNEX O - LIST OF NPC SPUG PROJECTS

ANNEX P – NPC’S RPS COMPLIANCE PLAN FOR 2025-2029

ANNEX Q - PROJECTED RESULTS OF OPERATION

ANNEX R - SUPPLY AND DEMAND PROFILE



NATIONAL POWER CORPORATION



GABRIEL Y. ITCHON BUILDING SENATOR MIRIAM P. DEFENSOR-SANTIAGO AVENUE (FORMERLY BIR ROAD) CORNER QUEZON AVENUE, DILIMAN, QUEZON CITY 1100, PHILIPPINES



(632) 8921-3541 TO 80



WWW.NAPCOR.GOV.PH

2025 MISSIONARY ELECTRIFICATION PLAN

PREPARED BY: THE CORPORATE AFFAIRS GROUP



OVPCAG@NAPCOR.GOV.PH



SPUG POWER PLANTS/BARGES, SPUG TRANSMISSION LINES, NPPs, AND QTPs	NO. OF OPERATING HOURS	TOTAL CAPACITIES (MW)		PEAK LOAD FOR THE MONTH OF DECEMBER (MW)	NO. OF SPUG PLANTS	NO. OF AREAS PER GRID	NO. OF PROVINCES	NO. OF MUNICIPALITIES	NO. OF BARANGAYS
		RATED	DEP				ACTUAL DATA FROM DUs AND NPC As of December 25, 2024		
APAYAO							1		
KABUGAO DPP	24	1.223	0.930	0.299	1	1		1	12
BATANES							1		
BASCO DPP	24	5.728	4.300	1.668	1	1		4	18
ITBAYAT DPP	24	0.850	0.740	0.215	1	1		1	5
SABTANG DPP	24	1.296	0.960	0.153	1	1		1	6
BATANES WIND TURBINE FARM (no operation) 3 x 60 kW			0.000	0.000					
CAGAYAN							1		
CALAYAN DPP	24	1.436	1.280	0.205	1	1		1	5
Camiguin Mini Grid			0.000	0.000					
BALATUBAT DPP	16	0.543	0.280	0.080	1	1			2
MINABEL DPP	16	0.295	0.200	0.025	1	1			1
ISABELA							1		
PALANAN DPP	24	1.373	0.830	0.266	1	1		1	6
MACONACON DPP	16	1.200	0.960	0.275	1	1		2	11
AURORA							1		
CASIGURAN DPP	24	4.977	2.650	1.440	1	1		3	35
Eco Market Solutions, Inc.			0.000	0.000					
QUEZON							1		
JOMALIG DPP	24	1.320	1.100	0.260	1	1		1	5
PATNANUNGAN DPP	24	1.973	1.780	0.440	1	1		1	4
Renesons Energy Polillo, Inc.	24		0.000	0.000					
POLILLO DPP (Stopped Operation. Generation taken over by Renesons on 25 May 2019)			0.000	0.000					
MARINDUQUE							1		
Marinduque Grid	24	25.670	16.700	13.504	3	1		6	217
BOAC DPP	24	14.200	12.200	13.504	1	1		6	217
TORRIJOS DPP	24	4.270	1.500		1				
PB 120 (Arrived at Marinduque Island on 22 July 2021)	24	7.200	3.000		1				
PB 113	24	3.900	2.100		1				
Marinduque 69KV T/L & S/S	24		0.000	0.000					
MONGPONG DPP	24	0.477	0.320	0.042	1	1		1 (Santa Cruz)	1
MANIWAYA DPP (Connected to Marinduque Island last 09 February 2019)			0.000	0.000					
POLO DPP (Connected to Marinduque Island last 09 February 2018)			0.000	0.000					
BATANGAS							1		
TINGLOY DPP	24	2.860	1.570	0.588	1	1		1	15
OCCIDENTAL MINDORO							1		
LUBANG DPP	24	4.200	2.850	1.170	1	1		2	21
CABRA DPP	24	0.250	0.135	0.047	1	1		1 (Lubang)	1
Occidental Mindoro 69KV T/L & S/S	24		0.000	0.000				9	137
Occidental Mindoro Consolidated Power Corp. (OMCPC)	24		0.000	0.000					
MAMBURAO DPP (Ended Contract of AGGREKO rental genset last 31 December 2021)			0.000	0.000					
PULANG LUPA RENTAL (Ended Lease Contract with Power System, Inc. (PSI) last 31 December 2022)			0.000	0.000					
ORIENTAL MINDORO							1		
Oriental Mindoro 69KV T/L & S/S	24		0.000	0.000				15	426
Power One Corporation	24		0.000	0.000					
Ormin Power, Inc.	24		0.000	0.000					
DMCI Power Corporation (Calapan)	24		0.000	0.000					
Ormin Power - Inabasan Hydro	24		0.000	0.000					
Linao Mini Hydro (Upper & Lower Cascade)			0.000	0.000					
Catuiran Hydropower Corporation			0.000	0.000					
Phil. Hybrid Energy Systems Inc. (PHESI)	24		0.000	0.000					
BANSUD RENTAL (Ended Lease Contract with Power System, Inc. (PSI) last 09 November 2022)			0.000	0.000					
ROMBLON							1		
Romblon Grid	24	15.675	8.240	2.930	2	1		1	30
ROMBLON DPP	24	4.875	1.840	2.930	1	1		1	30
PB 106	24	10.800	6.400		1				
BANTON DPP	24	1.126	0.700	0.213	1	1		1	17
CORCUERA DPP	24	1.863	0.710	0.455	1	1		1	15
SIBUYAN DPP	24	4.083	3.225	2.186	1	1		3	35
Cantingas Mini-Hydro Corporation									
CONCEPCION DPP	24	0.926	0.745	0.210	1	1		1	9
SAN JOSE DPP	24	1.636	1.425	0.454	1	1		1	5
Sun West Water & Electric Corporation - Tablas Energy Corporation (STEC)	24		0.000	0.000					
PALAWAN							1		
AGUTAYA DPP	24	0.936	0.930	0.124	1	1		1	5
ARACELI DPP	24	1.473	1.255	0.300	1	1		1	2
BALABAC DPP	24	1.176	0.750	0.245	1	1		1	6
CAGAYANCILLO DPP	24	0.813	0.680	0.167	1	1		1	12
CUYO DPP	24	3.800	3.100	1.400	1	1		2	19



SPUG POWER PLANTS/BARGES, SPUG TRANSMISSION LINES, NPPs, AND QTPs	NO. OF OPERATING HOURS	TOTAL CAPACITIES (MW)		PEAK LOAD FOR THE MONTH OF DECEMBER (MW)	NO. OF SPUG PLANTS	NO. OF AREAS PER GRID	NO. OF PROVINCES	NO. OF MUNICIPALITIES	NO. OF BARANGAYS
		RATED	DEP				ACTUAL DATA FROM DUs AND NPC As of December 25, 2024		
EL NIDO DPP	24	10.175	9.950	8.412	1	1		1	9
RIZAL DPP	24	2.658	1.870	0.825	1	1		1	2
SAN VICENTE DPP, PAL	24	3.300	3.100	1.331	1	1		1	5
Northern Palawan 69KV T/L & S/S	24		0.000	0.000				3	181
TAYTAY DPP (Connected to Palawan Grid last 16 Feb 2023)									
Southern Palawan 69KV T/L & S/S	24		0.000	0.000				8	181
Palawan Power Generation, Inc. (PPGI)	24		0.000	0.000					
Delta P (Extension)	24		0.000	0.000					
DMCI Power Corporation (Irawan & Aborlan)	24		0.000	0.000					
Power Source Philippines, Inc. (PSPI - Candawagan & Culasian, Rizal)	24		0.000	0.000					
Power Source Philippines, Inc. (PSPI - Liminangcong, Taytay)	24		0.000	0.000					
Sabang Renewable Energy Corp. (SREC)	24		0.000	0.000					
Power Source Philippines, Inc. (PSPI - Port Barton, San Vicente)	24		0.000	0.000					
Power Source Philippines, Inc. (PSPI - Poblacion, Dumaran)	24		0.000	0.000					
CONCEPCION AGUTAYA DPP	8	0.513	0.390	0.124	1	1		1 (Agutaya)	1
MANGSEE DPP	8	0.600	0.600	0.172	1	1		1 (Balabac)	1
BANCALAAAN 1 DPP	8	0.340	0.330	0.127	1	1			
BANCALAAAN 2 DPP	8	0.240	0.230	0.110	1	1			
BISUCAY DPP	8	0.194	0.190	0.063	1	1		1 (Cuyo)	3
CALANDAGAN DPP	8	0.388	0.350	0.074	1	1		1 (Araceli)	1
BITON DPP	8	0.090	0.090	0.016	1	1		1 (Taytay)	1
CASIAN DPP	16	0.250	0.190	0.064	1	1			1
PALY DPP	8	0.350	0.350	0.060	1	1			1
DEBANGAN DPP	8	0.100	0.100	0.023	1	1			1
BATAS DPP	8	0.100	0.050	0.012	1	1			1
KALAYAAN DPP	24	0.660	0.660	0.063	1	1		1	1
BULALACAO DPP	8	0.250	0.250	0.013	1	1		1	1
PICAL DPP	8	0.040	0.040	0.006	1	1		1	1
CULION DPP	24	2.583	1.680	0.871	1	1		1	20
GALOC DPP	8	0.058	0.058	0.013	1	1		1	1
LINAPACAN DPP	24	1.076	0.880	0.172	1	1			1
NANGALAO DPP	8	0.200	0.200	0.060	1	1		1	1
PANLAITAN DPP	8	0.188	0.100	0.099	1	1			1
MAGLALAMBAY DPP	8	0.050	0.050	0.029	1	1			1
TARA DPP	8	0.158	0.133	0.011	1	1			1
Calamian Island Power Corporation (Coron & Busuanga)	24		0.000	0.000					
Power Source Philippines, Inc. (PSPI - Manamoc, Cuyo)	24		0.000	0.000					
ALBAY							1		
BATAN DPP	24	2.430	1.898	0.450	1	1		1	21
RAPU-RAPU DPP	24	2.370	2.000	0.450	1	1			13
CAMARINES SUR							1		
Camarines Sur Mini Grid				0.000					
ATULAYAN DPP	16	0.094	0.080	0.011	1	1		1	1
BUTAWANAN DPP	8	0.080	0.075	0.013	1	1		1	1
FP Island Energy Corporation (FPIEC)				0.000					
LAHUY DPP (Stopped operation. Generation taken over by FPIEC on 10 December 2021)				0.000					
QUINALASAG DPP (Stopped operation. Generation taken over by FPIEC on 10 December 2021)				0.000					
HAPONAN DPP (Stopped Operation. CASURECO IV requested to stop its operation due to low collection efficiency since 04 June 2014)				0.000					
CAMARINES NORTE							1		
CALAGUAS DPP	16	0.483	0.425	0.097	1	1		1	3
CATANDUANES							1		
BALONGBONG HEPP	24	1.800	1.800	12.990	1	1		11	315
Catanduanes 69 KV T/L & S/S	24			0.000					
Sun West Water & Electric Corporation (SUWECO) - Catanduanes	24			0.000					
MARINAWA DPP (PIPO implemented on 01 April 2022; Generation taken over SUWECO)				0.000					
VIGA DPP (PIPO implemented on 01 April 2022; Generation taken over SUWECO)				0.000					
PALUMBANES DPP	24	0.230	0.207	0.022	1	1		1 (Caramoran)	1
MASBATE							1		
Ticao Grid	24	6.773	4.800	2.901	2	1		4	72
TICAO DPP	24	4.298	3.400	2.901	1	1		4	72
PB 114 (Arrived at Brgy. Rawis, San Jacinto, Masbate in Ticao Island on 08 January 2023. Commercial Operation started on 05 May 2023)	24	2.475	1.400		1				
SAN PASCUAL DPP	24	2.270	1.600	0.563	1	1		1	11



SPUG POWER PLANTS/BARGES, SPUG TRANSMISSION LINES, NPPs, AND QTPs	NO. OF OPERATING HOURS	TOTAL CAPACITIES (MW)		PEAK LOAD FOR THE MONTH OF DECEMBER (MW)	NO. OF SPUG PLANTS	NO. OF AREAS PER GRID	NO. OF PROVINCES NO. OF MUNICIPALITIES NO. OF BARANGAYS		
		RATED	DEP				ACTUAL DATA FROM DUs AND NPC As of December 25, 2024		
PRES Mini-Grid	5	0.942	0.878	0.485	95	62			
Masbate 69 KV T/L & S/S	24			0.000			15		65
DMCI Power Corporation (Masbate)	24			0.000					317
Solar Philippines				0.000					
Masbate Mini Grid				0.000					
CHICO DPP	16	0.385	0.355	0.032	1	1	1		1
GILOTONGAN DPP	24	0.830	0.710	0.124	1	1			1
PEÑA DPP	16	0.450	0.432	0.046	1	1			1
NARO DPP	24	0.895	0.835	0.206	1	1			4
GUINAWAYAN DPP	8	0.225	0.183	0.043	1	1	1		2
NABUCTOT DPP	8	0.125	0.120	0.021	1	1			1
Burias Mini Grid				0.000					
DANALAN DPP	8	0.265	0.240	0.037	1	1	1 (San Pascual)		2
MALAKING ILOG DPP	16	0.403	0.210	0.060	1	1			2
MABABANGBAYBAY DPP	8	0.140	0.130	0.058	1	1	1		2
OSMEÑA DPP	16	0.378	0.205	0.048	1	1			1
PEÑAFRANCIA DPP	8	0.215	0.190	0.042	1	1			2
QUEZON DPP	8	0.140	0.130	0.034	1	1			1
CLAVERIA DPP	24	2.820	1.950	0.511	1	1			9
CLAVERIA DPP (Taken over by Solar Para sa Bayan since 18 December 2018)									
ANTIQUE							1		
CALUYA DPP	24	2.223	0.875	0.535	1	1	1		8
Panay Mini Grid				0.000					
BATBATAN DPP	8	0.335	0.220	0.068	1	1	1		1
SIBOLO DPP	8	0.110	0.104	0.026	1	1	1 (Caluya)		1
GUIMARAS							1		
GUIWANON DPP	8	0.116	0.112	0.037	1	1	1		1
ILOILO							1		
GIGANTES DPP	24	1.526	1.260	0.508	1	1	1		4
TAGUBANHAN DPP	8	0.390	0.312	0.075	1	1	2		5
BOHOL							1		
Bohol 1 Mini Grid				0.000					
CABUL-AN DPP	24	0.529	0.426	0.083	1	1	1		2
BALICASAG DPP	24	0.395	0.330	0.060	1	1	1		1
CUAMING DPP	24	0.528	0.423	0.073	1	1	1		1
MANTATAO DPP	8	0.250	0.220	0.021	1	1	1		1
PAMILACAN DPP	24	0.310	0.300	0.054	1	1	1		1
Bohol 2 Mini Grid				0.000					
BAGONGBANWA DPP	8	0.230	0.215	0.038	1	1	1		1
BATASAN DPP	8	0.156	0.137	0.014	1	1			1
BILANGBILANGAN DPP	8	0.020	0.018	0.009	1	1			1
MOCABOC DPP	8	0.100	0.095	0.015	1	1			1
PANGAPASAN DPP	8	0.038	0.032	0.010	1	1			1
UBAY DPP	8	0.032	0.028	0.005	1	1			1
HAMBONGAN DPP	8	0.186	0.172	0.016	1	1	1 (Inabanga)		1
CEBU							1		
KINATARCAN DPP	24	1.076	0.847	0.194	1	1	1		3
HILOTONGAN DPP	8	0.243	0.130	0.060	1	1	1		1
Camotes Island Power Generation Corporation (CAMPCOR)	24			0.000					
CAMOTES DPP (Stopped operation. Generation taken over by CAMPCOR on 02 July 2021)				0.000					
PILAR DPP (Stopped operation. Generation taken over by CAMPCOR on 02 July 2021)				0.000					
Bantayan Island Power Corporation				0.000					
Isla Norte Power Corporation (INPC)	24			0.000					
DOONG DPP (Connected to Bantayan Island last 29 September 2020)				0.000					
Power Source Philippines, Inc. (PSPI - Malapascua, Cebu)	24			0.000					
SIGUIJOR									
Siquijor Island Power Corporation (SIPCOR)	24			0.000					
BILIRAN							1		
MARIPIPI DPP	24	1.636	1.308	0.268	1	1	1		15
LEYTE							1		
LIMASAWA DPP	24	1.912	1.510	0.270	1	1	1		6
LIMASAWA SOLAR PV	24		0.000						
SAN PABLO DPP	8	0.050	0.040	0.008	1	1	1		1
SAN PEDRO DPP	8	0.050	0.040	0.010	1	1	1		1
NORTHERN SAMAR							1		
BIRI DPP	24	1.889	0.885	0.386	1	1	1		8
PB 109 (Arrived at Brgy. Sto. Niño, Biri on 12 May 2023. Currently securing environmental and regulatory licenses)	24	1.515	0.750		1				
CAPUL DPP	24	1.513	0.970	0.411	1	1	1		12
SAN ANTONIO DPP	24	1.873	1.430	0.370	1	1	1		10
SAN VICENTE DPP, VIS	16	0.823	0.660	0.122	1	1	1		3
TARNATE DPP	8	0.050	0.042	0.042	1	1			1
BATAG DPP	8	0.698	0.455	0.227	1	1	1		6



SPUG POWER PLANTS/BARGES, SPUG TRANSMISSION LINES, NPPs, AND QTPs	NO. OF OPERATING HOURS	TOTAL CAPACITIES (MW)		PEAK LOAD FOR THE MONTH OF DECEMBER (MW)	NO. OF SPUG PLANTS	NO. OF AREAS PER GRID	NO. OF PROVINCES	NO. OF MUNICIPALITIES	NO. OF BARANGAYS
		RATED	DEP				ACTUAL DATA FROM DUs AND NPC As of December 25, 2024		
WESTERN SAMAR							1		
ALMAGRO DPP	24	0.763	0.595	0.093	1	1		1	7
STO. NIÑO DPP	24	0.653	0.630	0.148	1	1		1	3
CAMANDAG DPP	8	0.430	0.410	0.114	1	1			6
TAGAPUL-AN DPP	24	0.673	0.450	0.184	1	1			1
ZUMARRAGA DPP	24	1.789	1.490	0.420	1	1		1	25
Almagro Mini Grid				0.000				1 (Almagro)	
BIASONG DPP	8	0.170	0.138	0.032	1	1			3
COSTA RICA DPP	8	0.405	0.340	0.080	1	1			7
LUNANG DPP	8	0.220	0.200	0.046	1	1			4
KERIKITE DPP	8	0.140	0.128	0.033	1	1			2
Sto. Niño Mini Grid				0.000				1 (Sto.Niño)	
CABUNGAAN DPP	8	0.120	0.120	0.047	1	1			1
ILIJAN DPP	8	0.200	0.194	0.027	1	1			1
TAKUT DPP	8	0.515	0.440	0.098	1	1			2
LIBUCAN DPP	16	0.311	0.240	0.106	1	1			1
Catbalogan Mini Grid				0.000				1	
BAGONGON DPP	16	0.360	0.321	0.030	1	1			2
BULUAN DPP	8	0.080	0.070	0.011	1	1			1
CINCO RAMA DPP	16	0.425	0.250	0.116	1	1			3
EASTERN SAMAR							1		
CASUGURAN DPP	8	0.233	0.193	0.130	1	1		1	5
CAGUSUAN DPP	8	0.020	0.017	0.017	1	1			1
HABAG DPP	8	0.020	0.017	0.009	1	1			1
INAPULANGAN DPP	8	0.020	0.017	0.016	1	1			1
SULUAN DPP	8	0.050	0.043	0.043	1	1			1
HILABAAN DPP	8	0.050	0.043	0.040	1	1		1	1
TIKLING DPP	8	0.020	0.017	0.012	1	1			1
STA. MONICA DPP	8	0.050	0.043	0.041	1	1		1	1
DAVAO DEL NORTE							1		
TALICUD DPP	24	1.471	0.710	0.463	1	1		1	4
DAVAO DEL SUR									
Power Source Philippines, Inc. (PSPI - Balut, Sarangani)	24			0.000					
BALUT DPP (Stopped operation. Generation taken over by Powersource Philippines, Inc. (PSPI) on 08 June 2022)				0.000					
SARANGANI DPP	8	0.300	0.240	0.068	1	1		1	3
SULTAN KUDARAT							1		
KALAMANSIG DPP	24	11.100	7.100	5.540	1	1		2	50
SEN. NINOY AQUINO DPP	24	3.196	2.300	1.349	1	1		3	23
PALIMBANG DPP	24	1.738	1.050	0.578	1	1		1 (Palimbang)	6
DINAGAT ISLANDS							1		
Dinagat Grid	24	15.210	11.220	5.850	3	1		7	105
DINAGAT DPP	24	9.210	8.060	4.960	1	1		5	86
LORETO DPP	24	1.050	0.710	0.890	1			2 (Loreto and Tubajon)	19
PB 116 (Towed to Danao, Cebu on 15 February 2023 for installation, test, and commissioning of 2 x 600 kW capacity addition. Towed back to Loreto, Dinagat on 14 August 2023)	24	4.950	2.450		1				
GIBUSONG DPP	8	0.100	0.080	0.061	1	1		1	3
SURIGAO DEL NORTE							1		
HIKDOP DPP	24	0.868	0.666	0.143	1	1		1	8
ZAMBOANGA DEL SUR							1		
SACOL DPP	24	0.790	0.300	0.164	1	1		1	4
Zamboanga Mini Grid				0.000					
PANGAPUYAN DPP	8	0.010	0.010	0.010	1	1			1
TIGTABON DPP	8	0.090	0.090	0.087	1	1			1
MANALIPA DPP	8	0.040	0.040	0.024	1	1			1
GREAT STA. CRUZ DPP	8	0.010	0.010	0.009	1	1			1
TUMALUTAB DPP	8	0.040	0.040	0.035	1	1			1
BASILAN							1		
Basilan Grid (NPC Plants Only)	24	22.600	14.200	13.390	3	1		11	209
BASILAN DPP	24	10.000	8.200	13.390	1	1		11	209
PB 119 (Arrived at Isabela, Basilan on 16 March 2022. Started commercial operation on 07 July 2022)	24	7.200	4.000		1				
PB 108 (Arrived at Lamitan, Basilan Island on 28 September 2021)	24	5.400	2.000		1				
LAMITAN RENTAL (ROSE POWER PLANT)	24	2.000	2.000		1		1	1 (Lamitan)	
PILAS DPP	16	0.335	0.260	0.109	1	1		1	3
TAPIANTANA DPP	8	0.150	0.150	0.008	1	1		1	1
LANAWAN DPP	8	0.150	0.150	0.025	1	1			1



SPUG POWER PLANTS/BARGES, SPUG TRANSMISSION LINES, NPPs, AND QTPs	NO. OF OPERATING HOURS	TOTAL CAPACITIES (MW)		PEAK LOAD FOR THE MONTH OF DECEMBER (MW)	NO. OF SPUG PLANTS	NO. OF AREAS PER GRID	NO. OF PROVINCES	NO. OF MUNICIPALITIES	NO. OF BARANGAYS
		RATED	DEP				ACTUAL DATA FROM DUs AND NPC As of December 25, 2024		
TAWI TAWI							1		
MAPUN DPP	24	2.030	0.820	0.583	1	1		1	15
BALIMBING DPP	24	1.276	0.950	0.319	1	1		1	7
LANGUYAN DPP	16	1.195	0.820	0.175	1	1		1	5
MANUK MANGKAW DPP	16	0.841	0.590	0.103	1	1		3	
WEST SIMUNUL DPP	24	1.923	1.380	0.415	1	1		12	
SITANGKAI DPP	24	2.685	0.930	0.507	1	1		1	9
TABAWAN DPP	8	0.150	0.150	0.048	1	1		1	4
TAGANAK DPP	8	0.150	0.150	0.094	1	1		1	2
TANDUBAS DPP	24	1.702	0.940	0.340	1	1		1	12
SIBUTU DPP	24	1.176	0.565	0.280	1	1		1	8
TANDUBANAK DPP	24	1.517	0.930	0.351	1	1		8	
Kaltimex Rural Electrification Corporation (KREC)	24			0.000					
BONGAO DPP (Stopped operation. Generation taken over by Kaltimex on 25 July 2018)				0.000					
SULU							1		
JOLO DPP	24	13.100	10.500	10.422	1	1		6	145
LUUK DPP	8	0.425	0.271	0.192	1	1		1	4
PANGUTARAN DPP	16	1.306	0.330	0.283	1	1		1	4
PANDAMI DPP	12	0.300	0.240	0.118	1	1		1	4
SIASI DPP	24	2.840	1.500	1.068	1	1		1	50

Summary per Major Island:

SPUG AREAS	TOTAL CAPACITIES		TOTAL PEAK LOAD	TOTAL SPUG	TOTAL AREAS	TOTAL PROVINCES	TOTAL MUNICIPALITIES	TOTAL BARANGAYS
	RATED	DEP						
Luzon	142.382	102.739	61.354	174	136	17	122	2,532
Visayas	28.519	20.752	5.908	55	54	10	32	200
Mindanao	92.814	61.682	43.212	39	35	8	47	717
TOTAL SPUG	263.715	185.173	110.474	268	225	35	201	3,449

Summary per Division:

SPUG LUZON	142.382	102.739	61.354	174	136	17	122	2,532
MQNL0D	52.261	35.130	18.872	17	14	7	22	328
BOD	24.743	19.453	19.243	118	84	5	38	849
MROD	32.619	19.600	8.253	10	9	4	35	711
POD	32.759	28.556	14.986	29	29	1	27	644
SPUG VISAYAS	28.519	20.752	5.908	55	54	10	32	200
EVOD	19.726	14.496	4.008	35	34	5	18	163
WVOD	8.793	6.256	1.900	20	20	5	14	37
SPUG MINDANAO	92.814	61.682	43.212	39	35	8	47	717
EMOD	33.983	23.366	14.052	10	8	4	14	202
WMOD	58.831	38.316	29.160	29	27	4	33	515
TOTAL SPUG	263.715	185.173	110.474	268	225	35	201	3,449

Summary per Service Hours:

LUZON	142.382	102.739	61.354	174	136		122	2,532
24 hours	131.910	93.945	58.872	45	40		95	2,414
12-23 hours	4.481	3.337	0.738	10	10		5	24
Less than 12 hours	5.991	5.457	1.745	119	86		22	94
VISAYAS	28.519	20.752	5.908	55	54		32	200
24 hours	20.803	14.479	4.057	17	16		16	120
12-23 hours	1.919	1.471	0.374	4	4		3	15
Less than 12 hours	5.797	4.802	1.477	34	34		13	65
MINDANAO	92.814	61.682	43.212	39	35		47	717
24 hours	87.222	58.061	41.762	22	18		36	675
12-23 hours	3.977	2.240	0.788	5	5		5	19
Less than 12 hours	1.615	1.381	0.661	12	12		6	23
TOTAL SPUG	263.715	185.173	110.474	268	225		201	3,449
24 hours	239.935	166.485	104.691	84	74		147	3,209
12-23 hours	10.377	7.048	1.900	19	19		13	58
Less than 12 hours	13.403	11.640	3.883	165	132		41	182



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

a. Diesel-Solar Hybridization (MWp), New Areas

2025	PROVINCE	POTENTIAL HOUSEHOLDS	ESTIMATED/TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION			PROJECTS UNDER FOR IMPLEMENTATION/ PRE-IMPLEMENTATION		
				PROPOSED CAPACITY			PROPOSED/ESTIMATED CAPACITY		
				DG, kW	SPV, kWp	BESS, kWh	DG, kW	SPV, kWp	BESS, kWh
LUZON			0	0	0	0	0	0	0
VISAYAS			30,104,406	0	0	0	55	175	450
1 Canhawan Gote, Catbalogan City, Samar*	Samar	87	30,104,405.60				55	175	450
MINDANAO			94,605,180	0	0	0	150	350	950
2 Sibanag Island , Basilisa, Dinagat Island	Dinagat	407	94,605,180.00				150	350	950
TOTAL		494	124,709,586	0	0	0	205	525	1,400

2026	PROVINCE	POTENTIAL HOUSEHOLDS	ESTIMATED/TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION			PROJECTS UNDER FOR IMPLEMENTATION/ PRE-IMPLEMENTATION		
				PROPOSED CAPACITY			PROPOSED/ESTIMATED CAPACITY		
				DG, kW	SPV, kWp	BESS, kWh	DG, kW	SPV, kWp	BESS, kWh
LUZON			0	0	0	0	0	0	0
VISAYAS			30,104,406	55	175	450	0	0	0
1 Canhawan Gote, Catbalogan City, Samar	Samar	87	30,104,405.60	55	175	450			
MINDANAO			183,975,101	150	350	950	200	405	1,013
2 Sibanag Island , Basilisa, Dinagat Island	Dinagat	407	94,605,180.00	150	350	950			
3 Tampakan Dampong, South Ubian, Tawi-Tawi*	Tawi-Tawi	201	89,369,921.00				200	405	1,013
TOTAL		695	214,079,507	205	525	1,400	200	405	1,013

Note:

* - Areas are endorsed to DOE for MGSP-CSP, projects are still considered and maybe re-endorsed by DOE to NPC for Electrification based on the previous CSPs
 The table above indicates the total capacity for the area. Implementation of these projects may be done by phase (2 phases)



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

a. Diesel-Solar Hybridization (MWp), New Areas

2027		PROVINCE	POTENTIAL HOUSEHOLDS	ESTIMATED/TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		
					PROPOSED/ESTIMATED CAPACITY		
					DG, kW	SPV, kWp	BESS, kWh
LUZON					325	430	820
1	Macolabo Island, Paracale, Camarines Norte**	Camarines Norte	235	10,040,000.00	20	20	50
2	Quinapaguian Island, Mercedes, Camarines Norte**	Camarines Norte	306	10,040,000.00	20	20	50
3	Apuao, Mercedes, Camarines Norte**	Camarines Norte	173	10,040,000.00	20	20	50
4	Caringo, Mercedes, Camarines Norte**	Camarines Norte	421	16,760,000.00	30	50	80
5	Algeciras Island, Agutaya, Palawan**	Palawan	1243	62,250,000.00	125	150	300
6	Diit Island, Agutaya, Palawan**	Palawan	322	16,760,000.00	30	50	80
7	Matarawis Island, Agutaya, Palawan**	Palawan	92	10,040,000.00	20	20	50
8	Caponayan Island, Caponayan, Cuyo**	Palawan	285	16,760,000.00	30	50	80
9	Lubid Island, Lubid, Cuyo**	Palawan	226	16,760,000.00	30	50	80
VISAYAS					0	0	0
MINDANAO					200	405	1,013
10	Tampakan Dampong, South Ubian, Tawi-Tawi*	Tawi-Tawi	201	87,362,072.00	200	405	1,013
TOTAL			3,504	256,812,072.00	525	835	1,833

Note:

* - Areas are endorsed to DOE for MGSP-CSP, projects are still considered and maybe re-endorsed by DOE to NPC for Electrification based on the previous CSPs

** - Areas subjected to be endorsed to NPC by the DOE after series of no bidders in MGSP-CSP based on Energy Family Strategic Planning Conference

The capacities are indicative subject to the actual site assessment.



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

a. Diesel-Solar Hybridization (MWp), New Areas

2028		PROVINCE	POTENTIAL HOUSEHOLDS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		
					PROPOSED CAPACITY		
					DG, kW	SPV, kWp	BESS, kWh
LUZON					380	795	1,988
1	Sebaring, Balabac, Palawan*	Palawan	243	71,638,066.08	50	97	242
2	Cocoro, Magsaysay, Palawan*	Palawan	305	82,638,066.08	50	121	303
3	Canipo, Magsaysay, Palawan*	Palawan	245	70,638,066.08	50	97	244
4	Guinluthangan, Milagros, Masbate*	Masbate	172	56,638,066.08	30	68	171
5	Sapatos, Balud, Masbate*	Masbate	151	52,638,066.08	30	60	150
6	Magcaraguit, Dimasalang, Masbate*	Masbate	115	45,638,066.08	20	46	114
7	Bugtong, Pio V. Corpuz, Masbate*	Masbate	241	70,638,066.08	50	96	240
8	Iniwaran, San Pascual, Masbate*	Masbate	527	124,638,066.08	100	210	524
VISAYAS							
MINDANAO					710	1,641	4,102
9	Lampinigan Island, Isabela City, Basilan*	Basilan	325	90,007,987.08	50	129	323
10	Saibangon, Pata, Sulu*	Sulu	673	120,007,987.08	300	696	1740
11	Sangbay Big, Hadji Muhtamad, Basilan*	Basilan	584	159,638,066.08	100	232	581
12	Sangbay Small, Hadji Muhtamad, Basilan*	Basilan	491	137,638,066.08	100	195	488
13	Tamuk Is., Maluso, Basilan*	Basilan	190	99,638,066.08	50	129	323
14	Mananggal Is., Hadji Muhtamad, Basilan*	Basilan	165	99,638,066.08	50	129	323
15	Tangkapaan, Tapul, Sulu*	Sulu	284	99,638,066.08	60	129	323
TOTAL			4,711	1,381,310,833	1,090	2,436	6,089

Note:

* - Areas are endorsed to DOE for MGSP-CSP, projects are still considered and maybe re-endorsed by DOE to NPC for Electrification based on the previous CSPs



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

a. Diesel-Solar Hybridization (MWp), New Areas

2029		PROVINCE	POTENTIAL HOUSEHOLDS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		
					PROPOSED CAPACITY		
					DG, kW	SPV, kWp	BESS, kWh
LUZON					160	345	861
1	Cagmasoso, Mandaon, Masbate*	Masbate	125	49,638,066.08	30	50	124
2	Polo Dacu, Mandaon, Masbate*	Masbate	296	83,638,066.08	50	118	294
3	Nagarao, Placer, Masbate*	Masbate	167	57,638,066.08	30	66	166
4	Cobre Island, Peña, Cawayan, Masbate*	Masbate	104	44,638,066.08	20	41	103
5	Deagan Island, Magcaraguit, Dimasalang, Masbate*	Masbate	175	38,638,066.08	30	70	174
VISAYAS							
MINDANAO					540	1,161	2,902
6	Linongan, Akbar, Basilan*	Basilan	451	133,638,066.08	100	179	448
7	Dasalan, Hadji Muhtamad, Basilan*	Basilan	499	145,638,066.08	100	198	496
8	Langil, Hadji Mohammad Ajul, Basilan*	Basilan	187	70,638,066.08	30	74	186
9	Sibago, Hadji Mohammad Ajul, Basilan*	Basilan	316	101,638,066.08	50	126	314
10	Panducan, Hadji Muhtamad, Basilan*	Basilan	254	86,638,066.08	50	101	253
11	Daungdong, Pata, Sulu*	Sulu	316	101,638,066.08	150	126	314
12	Tabialan, Banguingui, Sulu*	Sulu	711	196,638,066.08	30	283	707
13	Balanguingui Island, Banguingui, Sulu*	Sulu	291	69,638,066.08	30	74	184
TOTAL			3,892	1,180,294,859	700	1,506	3,763

Note:

* - Areas are endorsed to DOE for MGSP-CSP, projects are still considered and maybe re-endorsed by DOE to NPC for Electrification based on the previous CSPs



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line for New Areas

2027		PROVINCE	ESTIMATED TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION
				ESTIMATED LINE LENGTH, ckt. km.
LUZON			142,550,000.00	13.30
1	Macolabo Island, Paracale	Camarines Norte	11,400,000.00	1.00
2	Quinapaguian Island, Mercedes, Camarines Norte	Camarines Norte	9,700,000.00	0.80
3	Apuao, Mercedes, Camarines Norte	Camarines Norte	11,300,000.00	1.00
4	Caringo, Mercedes, Camarines Norte	Palawan	11,400,000.00	1.00
5	Algeciras Island, Agutaya, Palawan	Palawan	30,100,000.00	3.00
6	Diit Island, Agutaya, Palawan	Palawan	13,300,000.00	1.20
7	Matarawis Island, Agutaya, Palawan	Palawan	9,700,000.00	0.80
8	Caponayan Island, Caponayan, Cuyo	Palawan	25,150,000.00	2.50
9	Lubid Island, Lubid, Cuyo	Palawan	20,500,000.00	2.00
VISAYAS			0.00	0.00
MINDANAO			43,410,000.00	3.00
12	Tampakan Dampong, South Ubian	Tawi-Tawi	43,410,000.00	3.00
TOTAL			185,960,000.00	16.30



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line for New Areas

2028		PROVINCE	ESTIMATED TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION
				ESTIMATED LINE LENGTH, ckt. km.
LUZON			192,210,218.30	18.49
1	Sebaring, Balabac	Palawan	36,260,000.00	5.96
2	Cocoro, Magsaysay	Palawan	49,910,000.00	1.42
3	Canipo, Magsaysay	Palawan		2.26
4	Guinluthangan, Milagros	Masbate	37,080,000.00	1.45
5	Sapatos, Balud	Masbate		0.25
6	Magcaraguit, Dimasalang	Masbate	41,320,000.00	0.61
7	Bugtong, Pio V. Corpuz (Limbuhan)	Masbate		1.54
8	Iniwaran, San Pascual	Masbate	27,640,218.30	5.00
VISAYAS			0.00	0.00
MINDANAO			157,580,000.00	12.60
9	Lampinigan Island, Isabela City	Basilan	21,080,000.00	0.92
10	Saimbangan, Pata	Sulu	29,600,000.00	2.35
11	Sangbay Big, Hadji Muhtamad	Basilan	36,300,000.00	3.57
12	Sangbay Small, Hadji Muhtamad	Basilan	29,200,000.00	2.76
13	Tamuk Is., Maluso	Basilan	13,800,000.00	1.00
14	Mananggal Is., Hadji Muhtamad	Basilan	13,800,000.00	1.00
15	Tangkapaan, Tapul	Sulu	13,800,000.00	1.00
TOTAL			349,790,218.30	31.09



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line for New Areas

2029		PROVINCE	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION
				ESTIMATED LINE LENGTH, ckt. km.
LUZON			75,490,000.00	4.01
1	Cagmasoso, Mandaon	Masbate	29,710,000.00	0.22
2	Polo Dacu, Mandaon	Masbate		2.04
3	Nagarao, Placer	Masbate	27,480,000.00	0.29
4	Cobre Island, Peña, Cawayan	Masbate		0.46
5	Deagan Island, Magcaraguit, Dimasalang	Masbate	18,300,000.00	1.00
VISAYAS			0.00	0.00
MINDANAO			139,560,000.00	9.66
6	Linongan, Akbar	Basilan	13,000,000.00	0.86
7	Dasalan, Hadji Muhtamad	Basilan	28,000,000.00	2.50
8	Langil, Hadji Mohammad Ajul	Basilan	17,430,000.00	0.90
9	Sibago, Hadji Mohammad Ajul	Basilan	24,330,000.00	1.40
10	Panducan, Hadji Muhtamad	Basilan	14,200,000.00	1.00
11	Daungdong, Pata	Sulu	14,200,000.00	1.00
12	Tabialan, Banguingui	Sulu	14,200,000.00	1.00
13	Balanguingui, Banguingui	Sulu	14,200,000.00	1.00
TOTAL			215,050,000.00	13.67



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line Extension for Existing Areas

2025		PROVINCE	POTENTIAL HOUSEHOLDS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION	PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION
					ESTIMATED LINE LENGTH, ckt. km.	
LUZON			892	129,133,000.00	17.50	0.00
1	San Pascual DPP – Mapanique, Masbate*	Masbate	447	65,460,000.00	9.00	
2	Dibay-Dilam DPP - Dilam, Calayan, Cagayan**	Cagayan	445	63,673,000.00	8.50	
VISAYAS			97	8,918,560.00	0.64	0.35
3	Kerikite DPP, Almagro, W. Samar**	Samar	18	4,768,308.80	0.64	
4	Cinco Rama DPP, Catbalogan, W. Samar	Samar	79	4,150,251.20		0.35
MINDANAO			1,936	125,456,984.00	6.00	0.00
5	Tigtabon Island, Zamboanga City, Zamboanga del Sur**	Dinagat	796	36,371,539.20	1.00	
6	Tumalutab Island, Zamboanga City, Zamboanga del Sur**	Basilan	564	29,742,539.20	1.00	
7	Lanawan DPP - Kaumpurnah, Tabuan Lasa**	Sulu	385	23,718,481.60	1.00	
8	Tapiantana Island, Tabuan-Lasa, Basilan**	Tawi-Tawi	191	35,624,424.00	3.00	
			2,925.00	263,508,544.00	24.14	0.35

Note:

* - Spillover project target

** - GCG Target FY 2025, but may spill over to FY 2026 as foreseen in indicative timeline and FY 2025 SARO budget reduction



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line Extension for Existing Areas

2026		PROVINCE	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION	PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION
				ESTIMATED LINE LENGTH, ckt. km.	
LUZON			533,315,895.86	0.00	65.50
1	San Pascual DPP – Ki-Buaya (Rizal), Masbate	Masbate	56,995,591.92		7.00
2	San Pascual DPP – Quintina, Masbate	Masbate	56,995,591.92		7.00
3	Claveria DPP – Albasan, Masbate	Masbate	48,853,364.51		6.00
4	Claveria DPP – Boca Engaño, Masbate	Masbate	20,355,568.54		2.50
5	Claveria DPP – Cawayan, Masbate	Masbate	40,711,137.09		5.00
6	Claveria DPP – Imelda, Masbate	Masbate	40,711,137.09		5.00
7	Claveria DPP – Mabiton, Masbate	Masbate	40,711,137.09		5.00
8	Claveria DPP – Nonoc, Masbate	Masbate	65,137,819.34		8.00
9	Claveria DPP – Pasig, Masbate	Masbate	65,137,819.34		8.00
10	Claveria DPP – San Ramon, Masbate	Masbate	24,426,682.25		3.00
11	Claveria DPP – San Vicente, Masbate	Masbate	24,426,682.25		3.00
12	Claveria DPP – Taguilid, Masbate	Masbate	28,497,795.96		3.50
13	Guinawayan DPP, Masbate	Masbate	20,355,568.54		2.50
VISAYAS			4,150,251.20	1.00	0.00
14	Cinco Rama DPP, Catbalogan, W. Samar	Samar	4,150,251.20	1.00	
MINDANAO			32,568,909.67		4.00
15	Manalipa Island, Zamboanga City, Zamboanga del Sur	Zamboanga Del Sur	32,568,909.67		4.00
			570,035,056.73	1.00	69.50

Note:

Distribution line projects are subject to the actual site assessment.



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line Extension for Existing Areas

2027		PROVINCE	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION
				ESTIMATED LINE LENGTH, ckt. km.
LUZON			566,047,650.07	65.50
1	San Pascual DPP – Ki-Buaya (Rizal), Masbate	Masbate	56,995,591.92	7.00
2	San Pascual DPP – Quintina, Masbate	Masbate	56,995,591.92	7.00
3	Claveria DPP – Albasan, Masbate	Masbate	48,853,364.51	6.00
4	Claveria DPP – Boca Engaño, Masbate	Masbate	20,355,568.54	2.50
5	Claveria DPP – Cawayan, Masbate	Masbate	40,711,137.09	5.00
6	Claveria DPP – Imelda, Masbate	Masbate	40,711,137.09	5.00
7	Claveria DPP – Mabiton, Masbate	Masbate	40,711,137.09	5.00
8	Claveria DPP – Nonoc, Masbate	Masbate	65,137,819.34	8.00
9	Claveria DPP – Pasig, Masbate	Masbate	65,137,819.34	8.00
10	Claveria DPP – San Ramon, Masbate	Masbate	24,426,682.25	3.00
11	Claveria DPP – San Vicente, Masbate	Masbate	24,426,682.25	3.00
12	Claveria DPP – Taguilid, Masbate	Masbate	28,497,795.96	3.50
13	Guinawayan DPP, Masbate	Masbate	20,355,568.54	2.50
14	Maconacon DPP – Dilakit, Divilacan, Isabela		32,731,754.22	
VISAYAS			0.00	0.00
MINDANAO			32,568,909.67	4.00
15	Manalipa Island, Zamboanga City, Zamboanga del Sur	Zamboanga Del Sur	32,568,909.67	4.00
			598,616,559.75	69.50

Note:

Distribution line projects are subject to the actual site assessment.



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line Extension for Existing Areas

2028		PROVINCE	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION
				ESTIMATED LINE LENGTH, ckt. km.
LUZON			32,731,754.22	4.02
1	Maconacon DPP – Dilakit, Divilacan, Isabela	Isabela	32,731,754.22	4.02
VISAYAS			0.00	0.00
MINDANAO			254,037,495.43	31.20
2	Bucutua Island, Banguingui, Sulu	Sulu	32,568,909.67	4.00
3	Bulan Island, Banguingui, Sulu	Sulu	65,137,819.34	8.00
4	Banguingui Island, Banguingui, Sulu	Sulu	24,426,682.25	3.00
5	Paarol Island, Banguingui, Sulu	Sulu	16,284,454.84	2.00
6	Bangalaw Island, Banguingui, Sulu	Sulu	30,126,241.45	3.70
7	Palahangan Island, Hadji Muhtamad, Basilan	Basilan	32,568,909.67	4.00
8	Tabawan Island, South Ubian, Tawi-Tawi	Tawi-Tawi	28,497,795.96	3.50
9	Mantabuan Island, Tawi-Tawi	Tawi-Tawi	24,426,682.25	3.00
			286,769,249.65	35.22



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

c. Distribution Line Extension for Existing Areas

2029		PROVINCE	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION
				ESTIMATED LINE LENGTH, ckt. km.
LUZON			0.00	0.00
VISAYAS			0.00	0.00
MINDANAO			85,493,387.89	10.50
1	Palahangan Island, Hadji Muhtamad, Basilan	Basilan	32,568,909.67	4.00
2	Tabawan Island, South Ubian, Tawi-Tawi	Tawi-Tawi	28,497,795.96	3.50
3	Mantabuan Island, Tawi-Tawi	Tawi-Tawi	24,426,682.25	3.00
			85,493,387.89	10.50

Note:

Distribution line projects are subject to the actual site assessment.



2025 - 2029 MISSIONARY
HOUSEHOLD ELECTRICAL CONNECTION (HEC) PROJECTS

NAME OF PLANT	2025			2027		2028		2029	
	Target Households	Total Budget Requirement	FY 2025 Budget Allocation	Target Households	Estimated Cost, PhP	Target Households	Estimated Cost, PhP	Target Households	Estimated Cost, PhP
LUZON AREA	198	7.15	7.09	1955	56.63	150	4.58	681	21.72
Cagayan									
Babuyan Claro DPP	16	7.15	7.09						
Dibay-Dilam DPP	16								
Calayan DPP	107								
Balatubad DPP	50								
Minabel DPP	9								
Masbate									
Dancalan DPP				73	2.12				
Malaking Ilog DPP				98	2.84				
San Pascual DPP				814	23.56				
Claveria DPP				952	27.56				
Mababangbaybay DPP				19	0.55				
Osmeña DPP						13	0.40		
Peñafrancia DPP						64	1.95		
Quezon DPP						12	0.37		
Chico DPP						61	1.86		
Gilotongan DPP								256	8.17
Naro DPP								303	9.67
Peña DPP								79	2.53
Guinawayan DPP								8	0.26
Nabuctot DPP								34	1.09
MINDANAO AREAS	91	3.31	3.31	-	-	-	-	-	-
Zamboanga del Sur									
Pangapuyan DPP	91	3.31	3.31						
TOTAL	289	10.46	10.40	1955	57	150	5	681	22

Notes:

1. Potential Household data were based on 2020 Census.
2. Target households for FY2027 onwards are based on the potential households, which are indicative only subject to actual assessment by concerned group. The estimated cost is in million pesos.



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Stand Alone Solar Home System, PVM

Project Location		Potential No. of Households	REMARKS
LUZON		552	The stand-alone solar home system can be sourced from excess units of other NPC SHS projects subject to the approval of the NPC Management. Areas subject for validation with SPUG & PES.
1	Dalupiri, Calayan, Cagayan	33	
2	Manapao, Claveria, Masbate	167	
3	Nabasagan, Claveria, Masbate	352	
VISAYAS		53	
1	Lunang, Almagro, W. Samar	7	
2	Cabunga-an, Sto. Niño, W. Samar	8	
3	Ilijan, Sto. Niño, W. Samar	5	
4	Takut, Sto. Niño, W. Samar	9	
5	Nocnocan Island, Talibon, Bohol	22	
6	Bantigue Island, Pres. C.P- Garcia, Bohol	2	
MINDANAO		125	
5	Manalipa Island, Zamboanga City, Zamboanga del Sur	54	
6	Great Sta. Cruz Island, Zamboanga City, Zamboanga del Sur	21	
7	Tapiantana Island, Tabuan-Lasa, Basilan	50	
TOTAL		730	



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN
LIST OF UNSERVED/NEW AREAS FOR PORTABLE PV MAINSTREAMING

ANNEX G

No.	Province	Municipality	Barangay	2025		2026	
				Target No. of HHs	Cost, Php	Target No. of HHs	Estimated Cost, Php
LUZON				948	18,511,513.23	2,821	63,780,000.00
Upper Agno River Watershed				395	7,713,130.51	2,821	63,780,000.00
1	Benguet	Atok	Caliking	69	1,347,356.98		
2	Benguet	Atok	Cattubo	82	1,601,206.84		
3	Benguet	Atok	Paoay	68	1,327,830.06		
4	Benguet	Atok	Poblacion	93	1,816,002.88		
5	Benguet	Atok	Topdac	83	1,620,733.75		
1	Benguet	Bokod	Ekip			40	905,000.00
2	Benguet	Bokod	Pito			51	1,153,000.00
3	Benguet	Bokod	Poblacion			48	1,086,000.00
4	Benguet	Buguias	Amgaleyguey			110	2,487,000.00
5	Benguet	Buguias	Amlimay			21	475,000.00
6	Benguet	Buguias	Bangao			349	7,890,000.00
7	Benguet	Buguias	Buyacaoan			84	1,899,000.00
8	Benguet	Buguias	Calamagan			23	520,000.00
9	Benguet	Buguias	Catlubong			273	6,172,000.00
10	Benguet	Buguias	Poblacion (Central)			418	9,449,000.00
11	Benguet	Buguias	Baculongan Sur			156	3,527,000.00
12	Benguet	Buguias	Sebang			247	5,584,000.00
13	Benguet	Itogon	Loacan			40	905,000.00
14	Benguet	Kabayan	Ballay			223	5,041,000.00
15	Benguet	Kabayan	Bashoy			56	1,266,000.00
16	Benguet	Kabayan	Batan			20	453,000.00
17	Benguet	Kabayan	Duacan			28	633,000.00
18	Benguet	Kabayan	Eddet			78	1,764,000.00
19	Benguet	Kabayan	Gusaran			109	2,464,000.00
20	Benguet	Kabayan	Kabayan Barrio			6	136,000.00
21	Benguet	Kabayan	Lusod			49	1,108,000.00
22	Benguet	Kabayan	Pacso			116	2,623,000.00
23	Benguet	Kabayan	Poblacion (Central)			246	5,561,000.00
24	Benguet	Tublay	Ambassador			30	679,000.00
Angat Watershed				533	10,407,844.46		
1	Bulacan	Norzagaray	San Lorenzo (Sitio Dike)	113	2,206,541.13		
2	Bulacan	Norzagaray	San Lorenzo (Sitio	60	1,171,614.76		
3	Bulacan	Doña	Kabayunan (Sitio Anuling)	68	1,327,830.06		
4	Bulacan	Doña	Kabayunan (Sitio Bunga)	25	488,172.82		
5	Bulacan	Doña	Kabayunan (Sitio Pinag Ana	70	1,366,883.89		
6	Bulacan	Doña	Kabayunan (Sitio Basyo)	53	1,034,926.37		
7	Bulacan	Doña	Kabayunan (Sitio Iyak)	42	820,130.33		
8	Bulacan	Doña	Kabayunan (Sitio Macau)	43	839,657.25		
9	Bulacan	Doña	Kabayunan (Sitio Maputi)	59	1,152,087.85		
Buhi-Barit Watershed				14	273,376.78		
1	Camarines Sur	Buhi	Sta. Cruz	8	156,215.30		
2	Camarines Sur	Buhi	San Ramon	6	117,161.48		
Tiwi Watershed				2	39,053.83		
1	Albay	Tiwi	Joroan	2	39,053.83		
San Roque Watershed				4	78,107.65		
1	Benguet	Itogon	Ampucao	3	58,580.74		
2	Benguet	Itogon	Dalupirip	1	19,526.91		
MINDANAO				163	3,182,886.77	-	-
Pulangi Watershed				163	3,182,886.77	-	-
1	Bukidnon	Maramag	La Roxas	1	19,526.91		
2	Bukidnon	Lantapan	Songco	2	39,053.83		
3	Bukidnon	Lantapan	Capitan Juan	3	58,580.74		
4	Bukidnon	Talakag	Sagaran	10	195,269.13		
5	Bukidnon	Libona	Capihan	147	2,870,456.17		
Total				1,111	21,694,400.00	2,821	63,780,000



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN
TRANSMISSION LINE PROJECTS

Project Name	2025	2026	2027	2028	2029	Estimated Budgetary Requirement
A. Catanduanes						
1.0 Construction of Codon - Caramoran 69 kV Transmission Line			29.00	29.00		413,477,638.56
2.0 Construction of Caramoran - Viga (via Pandan) 69 kV Transmission Line			66.00	66.00		412,997,208.80
B. Masbate						
1.0 Rehabilitation of Masbate (Malinta) - Mandaon (San Juan) 69 kV Transmission Line	32.00	32.00				244,750,529.52
2.0 Construction of Uson - Cawayan 69 kV Transmission Line			40.00	40.00		229,757,942.37
3.0 Construction of Cataingan - Esperanza 69 kV Transmission Line				40.00	40.00	299,976,656.60
C. Palawan						
1.0 Construction of Taytay - El Nido 69 kV Transmission Line (Schedule 1)*		30.00	30.00			358,770,928.32
2.0 Construction of Taytay - El Nido 69 kV Transmission Line (Schedule 2)*		31.00	31.00			372,692,759.04
3.0 Construction of Alimanguan - San Vicente 69 kV Transmission Line (Single Circuit)		20.00	20.00			289,270,128.00
4.0 Construction of Brooke's Point - Bataraza 69 kV Transmission Line		33.00	33.00			467,259,506.82
5.0 Construction of Abo-abo - Quezon 69 kV Transmission Line			24.00	24.00		369,039,978.00
D. Marinduque						
1.0 Supply & Erection/Installation of Buenavista-Torrijos 69 kV Transmission Line			28.75	28.75		382,513,826.24
E. Basilan						
1.0 Construction of Isabela – Lamitan 69 kV Transmission Line			31.50	31.50		470,550,000.00
2.0 Construction of Isabela – Maluso 69 kV Transmission Line				37.00	37.00	861,150,000.00
TOTAL BUDGETARY REQUIREMENT (in Million Php)						5,172.21
TOTAL LINE LENGTH (ckt. kms.) - TARGET FOR START OF PROJECT IMPLEMENTATION	32.00	114.00	219.25	77.00	-	
TOTAL LINE LENGTH (ckt. kms.) - TARGET FOR PROJECT COMPLETION		32.00	114.00	219.25	77.00	442.25

Notes

- * 2025 is for ROW activities; Protected Area (Whole/Portion)
- Green Font - Start Year of Implementation
- Black Font - Target Year of Completion



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP

Corporate Planning Department

**2025 - 2029 MISSIONARY ELECTRIFICATION PLAN
SUBSTATION, SWITCHING STATION PROJECTS AND MISCELLANEOUS TRANSMISSION PROJECTS**

Project Name	2025	2026	2027	2028	2029	Budgetary Requirement (submitted to ADB)
A. Catanduanes						
1.0 Upgrading of Virac Substation from 10MVA to 20MVA	20.00					39,018,350.00
2.0 Construction of Caramoran Substation Facility including Transfer of 5 MVA Power Transformer from Viga to Caramoran Substation and Transfer of 10 MVA Power			5.00	5.00		205,105,696.00
B. Masbate						
1.0 Construction of Uson Switching Station	✓					105,840,314.51
2.0 Construction of Masbate (Malinta) Substation	10.00	10.00				177,127,000.00
C. Palawan						
1.0 Construction of Palawan Grid Central Control and Monitoring System at Irawan Switching Station and Upgrading of existing Substation Facilities Protection System		✓	✓			416,814,579.92
2.0 Construction of San Vicente Substation Project	5.00	5.00				156,790,808.92
3.0 Construction of Alimanguan Switching Station	✓	✓				191,323,079.92
4.0 Construction of Bataraza Substation		5.00	5.00			260,381,579.92
5.0 Construction of Abo-Abo Substation			5.00	5.00		250,314,579.92
D. Marinduque						
1.0 Construction of 5MVA Buenavista Substation including Electrical equipment of 69kV Feeder No. 2 of Mogpog Substation	5.00					154,433,647.00
2.0 Replacement of Mogpog Substation's 10 MVA 2-winding, power transformer with 20 MVA step-down power transformer			20.00	20.00		46,822,020.00
E. Mindoro						
1.0 Construction of Sabluyan Switching Station	✓	✓				124,650,000.00
2.0 Construction of Naujan Switching Station		✓	✓			204,200,000.00
3.0 Construction of Pinamalayan Switching Station		✓	✓			166,000,000.00



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP

Corporate Planning Department

**2025 - 2029 MISSIONARY ELECTRIFICATION PLAN
SUBSTATION, SWITCHING STATION PROJECTS AND MISCELLANEOUS TRANSMISSION PROJECTS**

Project Name	2025	2026	2027	2028	2029	Budgetary Requirement (submitted to ADB)
4.0 Construction of Roxas Switching Station		✓	✓			170,000,000.00
5.0 Construction of Pulang Lupa Switching Station*		✓	✓			204,400,000.00
6.0 Upgrading of Mindoro 69 kV Grid Protection System		✓	✓			230,000,000.00
7.0 Installation of Storm Guying at Selected Type B Poles	✓					20,700,000.00
F. Basilan						
1.0 Construction of Isabela Substation			15.00	15.00		633,250,000.00
2.0 Construction of Lamitan Substation				10.00	10.00	419,550,000.00
3.0 Construction of Maluso Substation				5.00	5.00	254,700,000.00
TOTAL BUDGETARY REQUIREMENT (in Million PhP)						4,431.42
TOTAL LINE LENGTH (MVA) - TARGET FOR START OF PROJ. IMPLEMENTATION	15.00	5.00	45.00	15.00	-	
TOTAL LINE LENGTH (MVA) - TARGET FOR PROJECT COMPLETION	25.00	15.00	5.00	45.00	15.00	105.00

- Notes:**
1. * Undergoing cost estimation
 2. Green Font - Start Year of Implementation
 3. Black Font - Target Year of Completion



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department
Planning and Performance Assessment
Division

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Upgrading of Distribution Line

2025		Project Type	No. of Households	No. of Porject					TOTAL BUDGET REQUIREMENT
Project Location				2025	2026	2027	2028	2029	
VISAYAS			486	6.05	15.60				
1	Buluan DPP, W. Samar**	DL Upgrading	26	1.20					7,712,481.60
2	Libucan DPP, W. Samar**	DL Upgrading	79	0.95					7,172,654.40
3	Sibolo DPP, Antique**	DL Upgrading	45	1.50					8,560,481.60
4	Batbatan DPP, Antique**	DL Upgrading	100	2.40					13,691,481.60
5	Cabungaan DPP, W. Samar	Intraconnection	88		7.10				30,580,905.60
6	Ilijan DPP, W. Samar								
7	Takut DPP, W. Samar								
8	Biasong DPP, W. Samar	Intraconnection	148		8.50				37,245,078.40
9	Costa Rica DPP, W. Samar								
10	Lunang DPP, W. Samar								
TOTAL			486	6.05	15.60	0.00	0.00	0.00	104.96

Note:

** - GCG Target FY 2025, but may spill over to FY 2026 as foreseen in indicative timeline and FY 2025 SARO budget reduction



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

II. e. Lease of Gensets, High Capacity

Plant Name/Area		Province	No. of Households	Capacity, kW									
				2025	Estimated Cost, PhP	2026	Estimated Cost, PhP	2027	Estimated Cost, PhP	2028	Estimated Cost, PhP	2029	Estimated Cost, PhP
LUZON			133,620	26,830.00	468.36	29,400.00	504.63	18,400.00	317.71	17,900.00	306.63	18,850.00	328.23
1	Basco DPP	Batanes	5,777	1,100.00	22.64	1,100.00	23.77	1,100.00	24.96	1,100.00	26.21	1,100.00	27.52
2	Ticao Grid	Masbate	20,795	1,000.00	19.02	2,000.00	19.97	2,000.00	20.97	2,000.00	22.02	2,000.00	23.12
3	Sibuyan DPP	Romblon	14,012	1,000.00	19.02	1,000.00	19.97	1,000.00	20.97	1,000.00	22.02	1,000.00	23.12
4	Marinduque Grid	Marinduque	70,105	10,000.00	154.67	11,000.00	162.40	12,000.00	178.64	13,000.00	196.51	14,000.00	216.16
5	El Nido DPP	Palawan	7,349	11,000.00	191.39	12,000.00	210.80						
6	San Vicente DPP	Palawan	4,973	1,000.00	19.41	1,000.00	21.35	1,000.00	23.49				
7	Culion DPP	Palawan	3,861	500.00	9.71	500.00	10.19	500.00	10.70				
8	Casiguran DPP	Aurora	3,861	1,000.00	19.41								
9	Biton DPP	Palawan	110	50.00	2.93	50.00	3.08	50.00	3.23	50.00	3.39	50.00	3.56
10	Bisucay DPP	Palawan	535	80.00	4.30	80.00	4.52	80.00	4.74	80.00	4.98	80.00	5.23
11	Maglambay DPP	Palawan	165	50.00	2.93	160.00	3.08	160.00	3.23	160.00	3.39	160.00	3.56
12	Galoc DPP	Palawan	541	50.00	2.93	100.00	3.08	100.00	3.23	100.00	3.39	100.00	3.56
13	Cabugao DPP	Palawan	639			200.00	10.75	200.00	11.29	200.00	11.85	200.00	12.44
14	Bulalacao DPP	Palawan	508			50.00	3.08	50.00	3.23	50.00	3.39		
15	Pical DPP	Palawan	389			160.00	8.60	160.00	9.03	160.00	9.48	160.00	9.96
VISAYAS			5,874	30.00	3.06	30.00	3.21	1,030.00	24.34	1,030.00	25.56	1,030.00	26.84
16	Caluya DPP	Antique	5,777					1,000.00	20.97	1,000.00	22.02	1,000.00	23.12
17	Habag DPP	Eastern Samar	97	30.00	3.06	30.00	3.21	30.00	3.37	30.00	3.54	30.00	3.72
MINDANAO			186,932	33,210.00	550.68	33,150.00	578.22	8,650.00	199.60	8,650.00	209.58	8,650.00	220.06
18	Basilan DPP	Basilan	59,601	5,000.00	117.00	5,000.00	122.85						
19	Lamitan City	Basilan		3,000.00	25.78	3,000.00	27.07						
20	Jolo DPP	Sulu	29,507	11,500.00	187.85	11,500.00	197.24						
21	Siasi DPP	Sulu	5,338	1,000.00	22.82	1,000.00	23.96	1,000.00	25.16	1,000.00	26.42	1,000.00	27.74
22	Sitangkai DPP	Tawi-Tawi	853	500.00	10.68	500.00	11.21	500.00	11.77	500.00	12.36	500.00	12.98
23	Tandubanak DPP	Tawi-Tawi	938	500.00	10.68	500.00	11.21	500.00	11.77	500.00	12.36	500.00	12.98
24	Mapun DPP	Tawi-Tawi	3,511	600.00	12.75	600.00	13.38	600.00	14.05	600.00	14.76	600.00	15.49
25	Dinagat DPP	Dinagat	30,160	3,500.00	49.63	3,500.00	52.11	3,500.00	54.72	3,500.00	57.45	3,500.00	60.33
26	Kalamansig DPP	Sultan Kudarat	33,545	4,000.00	22.81	4,000.00	23.95						
27	Sen. Ninoy Aquino DPP	Sultan Kudarat	10,960	1,000.00	16.20	1,000.00	17.01						
28	Palimbang DPP	Sultan Kudarat	4,721	600.00	12.75	600.00	13.38	600.00	14.05	600.00	14.76	600.00	15.49
29	Tigtabon DPP	Zamboanga	350	200.00	6.29	200.00	6.60	200.00	6.93	200.00	7.28	200.00	7.64
30	Pangapuyan DPP	Zamboanga	88	50.00	2.93	50.00	3.08	50.00	3.23	50.00	3.39	50.00	3.56
31	Manalipa DPP	Zamboanga	89	80.00	4.30	200.00	4.52	200.00	4.74	200.00	4.98	200.00	5.23
32	Tumulatab DPP	Zamboanga	243	80.00	4.30	100.00	4.52	100.00	4.74	100.00	4.98	100.00	5.23
33	Taganak DPP	Zamboanga	52	100.00	5.86	100.00	6.15	100.00	6.46	100.00	6.78	100.00	7.12
34	Pandami DPP	Sulu	480	400.00	10.75	200.00	11.29	200.00	11.85	200.00	12.44	200.00	13.07
35	Pangutaran DPP	Sulu	2,547	600.00	12.75	600.00	13.38	600.00	14.05	600.00	14.76	600.00	15.49
36	Pilas DPP	Basilan	3,511	300.00	8.30	300.00	8.71	300.00	9.15	300.00	9.60	300.00	10.08
37	Gibusong DPP	Dinagat Island	438	200.00	6.29	200.00	6.60	200.00	6.93	200.00	7.28	200.00	7.64
TOTAL (MW)			326,426	60.07	1,022.10	62.58	1,086.06	28.08	541.65	27.58	541.77	28.53	575.13



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

LIST OF POWER PLANTS WITH INCREASE IN OPERATING HOURS

PLANT NAME		PROVINCE	OPERATING HOURS				
			2025	2026	2027	2028	2029
EXISTING AREA							
LUZON AREA							
NORTHERN LUZON							
Cagayan							
1	Balatubat DPP	Cagayan	24				
2	Minabel DPP	Cagayan	24				
Isabela							
3	Maconacon DPP	Isabela	24				
BICOL							
Camarines Sur							
4	Atulayan DPP	Camarines Sur	24				
Camarines Norte							
5	Calaguas DPP	Camarines Norte		24			
Masbate							
6	Guinawayan DPP	Masbate	16				24
7	Nabuctot DPP	Masbate	16				24
8	Peña DPP	Masbate	24				
9	Chico DPP	Masbate		24			
10	Dancalan DPP	Masbate	16		24		
11	Mababangbaybay DPP	Masbate		16			24
12	Malaking Ilog DPP	Masbate		24			
13	Osmeña DPP	Masbate		24			
14	Peñafrancia DPP	Masbate		16			24
15	Quezon DPP	Masbate		16			24
MIMAROPA							
Palawan							
17	Nangalao DPP	Palawan	16				24
18	Casian DPP	Palawan	24				
19	Biton DPP	Palawan			16		24
20	Paly DPP	Palawan		16		24	
21	Calandagan DPP	Palawan	16			24	
22	Bisucay DPP	Palawan		16			24
23	Concepcion Agutaya DPP	Palawan		16			24
24	Tara DPP	Palawan			16		24
25	Panlaitan DPP	Palawan			16		24
26	Bancalaan I DPP	Palawan	16			24	
27	Bancalaan II DPP	Palawan	16				24
28	Mangsee DPP	Palawan	16			24	
VISAYAS AREA							
EASTERN VISAYAS							
Northern Samar							
29	San Vicente DPP	Northern Samar	24				
30	Batag DPP	Northern Samar	16		24		
31	Tarnate DPP	Northern Samar			16		24
Western Samar							
32	Lunang DPP	Western Samar	16		24		
33	Biasong DPP	Western Samar	16			24	
34	Cabunga-an DPP	Western Samar		16		24	
35	Ilijan DPP	Western Samar	16			24	
36	Takut DPP	Western Samar	16		24		
37	Kerikite DPP	Western Samar			16		
38	Libucan DPP	Western Samar		24			
39	Bagongon DPP	Western Samar	24				
40	Buluan DPP	Western Samar	16		24		
41	Camandag DPP	Western Samar	16		24		

42	Costa Rica DPP	Western Samar	16		24		
43	Cinco Rama DPP	Western Samar	24				
	Eastern Samar						
44	Casuguran DPP	Eastern Samar				16	
45	Cagusuan DPP	Eastern Samar				16	
46	Inapulangan DPP	Eastern Samar				16	
47	Habag DPP	Eastern Samar				16	
48	Hilabaan DPP	Eastern Samar		16		24	
49	Tikling DPP	Eastern Samar		16		24	
50	Sta. Monica DPP	Eastern Samar		16		24	
51	Suluan DPP	Eastern Samar				16	
	WESTERN VISAYAS						
	Antique						
52	Batbatan DPP	Antique	16		24		
53	Sibolo DPP	Antique	16		24		
	Guimaras						
54	Guiwanon DPP	Guimaras	16		24		
	CENTRAL VISAYAS						
	Bohol						
55	Bagongbanwa DPP	Bohol	16		24		
56	Batasan DPP	Bohol	16				
57	Bilangbilangan DPP	Bohol					16
58	Hambongan DPP	Bohol					16
59	Mantatao DPP	Bohol	16		24		
60	Mocaboc DPP	Bohol					16
61	Pangapasan DPP	Bohol					16
62	Ubay DPP	Bohol	16				
	Cebu						
63	Hilotongan DPP	Cebu			16		
	MINDANAO AREA						
	WESTERN MINDANAO						
	Zamboanga City						
64	Tigtabon DPP	Zamboanga City	16			24	
65	Pangapuyan DPP	Zamboanga City	16			24	
66	Manalipa DPP	Zamboanga City	16			24	
67	Tumalutab DPP	Zamboanga City	16			24	
68	Great Sta. Cruz DPP	Zamboanga City	16			24	
	BANGSAMORO						
	Sulu						
69	Pandami DPP	Sulu	16	24			
70	Pangutaran	Sulu	24				
71	Luuk DPP	Sulu			16		24
	Tawi-Tawi						
72	Manuk Mangkaw	Tawi-Tawi	24				
73	Languyan	Tawi-Tawi	24				
	Basilan						
74	Pilas DPP	Basilan	16	24			
75	Tapiantana DPP	Basilan		16			24
76	Lanawan DPP	Basilan		16			24
	EASTERN MINDANAO						
	Dinagat Island						
77	Gibusong DPP	Dinagat Island	16		24		
	NEW AREAS						
	LUZON AREA						
	Camarines Sur						
1	Butawanan DPP	Camarines Sur	8				
	Masbate						
2	Jintotolo DPP	Masbate	8				
3	Guinluthangan Hybrid Power Plant	Masbate				8	
4	Cagmasoso Hybrid Power Plant	Masbate					8
5	Polo Dacu Hybrid Power Plant	Masbate					8
6	Nagarao Hybrid Power Plant	Masbate					8
7	Cobre Hybrid Power Plant	Masbate					8
8	Magcaraguit Hybrid Power Plant	Masbate				8	
9	Sapatos Hybrid Power Plant	Masbate				8	
10	Bugtong Hybrid Power Plant	Masbate				8	
11	Deagan Hybrid Power Plant	Masbate					8
12	Iniwaran Hybrid Power Plant	Masbate				8	
	Palawan						
13	Maroyogroyog DPP	Palawan	8				

14	Pical DPP	Palawan	8				
15	Ramos DPP	Palawan	8				
16	Maracanao DPP	Palawan	8				
17	Bulalacao DPP	Palawan	8				
18	Cabugao DPP	Palawan	8				
19	Green Island DPP	Palawan	8				
20	Sebaring Hybrid Power Plant	Palawan				8	
21	Cocoro Hybrid Power Plant	Palawan				8	
22	Canipo Hybrid Power Plant	Palawan				8	
Quezon							
23	Calutcot DPP	Quezon	8				
Cagayan							
24	Babuyan Claro DPP	Cagayan	8				
25	Dibay-Dilam DPP	Cagayan	8				
VISAYAS AREA							
Southern Leyte							
26	San Pedro DPP	Southern Leyte	8				
27	San Pablo DPP	Southern Leyte	8				
Samar							
28	Canhawan Gote Hybrid Power Plant	Samar		8			
Ilo-Ilo							
29	Tagubanhan DPP	Ilo-Ilo	8	16		24	
Negros Occidental							
30	Molocaboc DPP	Negros Occidental	8				
Bohol							
31	Hingotanan DPP	Bohol	8				
32	Bilangbilangan II DPP	Bohol	8				
33	Malingin DPP	Bohol	8				
34	Maomawan DPP	Bohol	8				
35	Sagasa DPP	Bohol	8				
36	Gaus DPP	Bohol	8				
37	Cataban DPP	Bohol	8				
MINDANAO AREA							
Dinagat Island							
38	Sibanag Hybrid Power Plant	Dinagat Island		8			
Davao Occidental							
39	Sarangani DPP	Davao Occidental	8				
Basilan							
40	Saluping DPP	Basilan	8				
41	Bubuan DPP	Basilan	8				
42	Baluk-Baluk DPP	Basilan	8				
43	Palahangan DPP	Basilan	8				
44	Lampinigan Hybrid Power Plant	Basilan				8	
45	Linongan Hybrid Power Plant	Basilan					8
46	Dasalan Hybrid Power Plant	Basilan					8
47	Langil Hybrid Power Plant	Basilan					8
48	Sibago Hybrid Power Plant	Basilan					8
49	Sangbay Big Hybrid Power Plant	Basilan				8	
50	Sangbay Small Hybrid Power Plant	Basilan				8	
51	Panducan Hybrid Power Plant	Basilan					8
52	Tamuk Hybrid Power Plant	Basilan				8	
53	Mananggal Hybrid Power Plant	Basilan				8	
Sulu							
54	Lugus DPP	Sulu	8				
55	Bucutua DPP	Sulu	8				
56	Bulan DPP	Sulu	8				
57	Banguingui DPP	Sulu	8				
58	Paarol DPP	Sulu	8				
59	Bangalaw DPP	Sulu	8				
60	Tattalan DPP	Sulu	8				
61	Pata Hybrid Power Plant	Sulu			8		
62	Daungdong Hybrid Power Plant	Sulu					8
63	Tabialan Hybrid Power Plant	Sulu					8
64	Balanguingui Hybrid Power Plant	Sulu					8
65	Tangkapaan Hybrid Power Plant	Sulu				8	
Tawi-Tawi							
66	Tabawan DPP	Tawi-Tawi	8				
67	Taganak DPP	Tawi-Tawi	8				
68	Sikubong DPP	Tawi-Tawi	8				
69	Baldatal Islam DPP	Tawi-Tawi	8				
70	Mantabuan DPP	Tawi-Tawi	8				
71	Latuan DPP	Tawi-Tawi	8				
72	Banaran DPP	Tawi-Tawi	8				
73	Tampakan Dampong Hybrid Power Plant	Tawi-Tawi			8		



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2025		PROVINCE	ELECTRIFIED HHS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION	
					PROPOSED CAPACITY		PROPOSED CAPACITY	
					Solar PV, kWp	BESS, kWh	Solar PV, kWp	BESS, kWh
LUZON			21,670	871,698,527	1,660	690	2,260	960
1	Kalayaan DPP, Palawan*	Palawan	72	48,844,200.00	150	150		
2	Calayan DPP, Cagayan*	Cagayan	1,352	48,468,100.00	400	60		
3	Batan DPP, Albay*	Albay	3,386	55,144,500.00	300	120		
4	Calutcot DPP, Quezon*	Quezon	520	27,857,142.86	60	60		
5	Butawan DPP, Camarines Sur*	Camarines Sur	371	18,571,428.57	40	60		
6	San Pascual DPP, Masbate**	Masbate	3,942	75,642,366.40	500	120		
7	Naro DPP, Masbate**	Masbate	2,260	35,821,963.20	150	60		
8	Osmeña DPP, Masbate**	Masbate	734	26,862,136.00	60	60		
9	Sabtang DPP, Batanes*	Batanes	628	57,697,900.00			180	120
10	Itbayat DPP, Batanes*	Batanes	1,035	51,949,600.00			180	120
11	Gilotongan DPP, Masbate	Masbate	1,121	28,350,963.20			100	60
12	Cabra DPP, Occ. Mindoro	Occ. Mindoro	500	16,556,371.20			65	30
13	Tingloy DPP, Batangas	Batangas	3,354	203,906,371.20			1,000	300
14	Malaking Ilog DPP, Masbate	Masbate	261	28,906,371.20			70	70
15	Minabel DPP, Cagayan	Cagayan	223	30,706,371.20			95	60
16	Balatubat DPP, Cagayan	Cagayan	555	52,806,371.20			200	80
17	Maconacon DPP, Isabela	Isabela	1,356	63,606,371.20			370	120
VISAYAS			9,553	514,812,812	540	510	990	530
18	Maripipi DPP, Biliran*	Biliran	1,552	40,750,900.00	150	150		
19	Sibolo DPP, Antique*	Antique	230	18,571,428.57	40	60		
20	Balicasag DPP, Bohol*	Bohol	263	21,930,851.20	55	60		
21	Batbatan DPP, Antique*	Antique	559	38,000,000.00	150	120		
22	Libucan DPP, W. Samar*	W. Samar	1,142	42,910,251.20	100	60		
23	Bagongon DPP, W. Samar*	W. Samar	349	14,000,000.00	45	60		
24	Cinco Rama DPP, W. Samar*	W. Samar	742	23,000,000.00			100	60
25	Limasawa DPP, Leyte*	Leyte	1,576	45,843,308.80			120	120
26	Lunang DPP, W. Samar	W. Samar	382	29,331,905.60			100	40
27	Takut DPP, W. Samar	W. Samar	642	48,331,905.60			160	60
28	Biasong DPP, W. Samar	W. Samar	291	28,201,905.60			60	30



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2025	PROVINCE	ELECTRIFIED HHS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION	
				PROPOSED CAPACITY		PROPOSED CAPACITY	
				Solar PV, kWp	BESS, kWh	Solar PV, kWp	BESS, kWh
29	Kerikite DPP, W. Samar	W. Samar	237	28,201,905.60		60	30
30	Cabungaan DPP, W. Samar	W. Samar	443	28,542,732.80		100	60
31	Ilijan DPP, W. Samar	W. Samar	226	28,331,905.60		80	40
32	Costa Rica DPP, W. Samar	W. Samar	766	53,331,905.60		180	60
33	Buluan DPP, W. Samar	W. Samar	153	25,531,905.60		30	30
MINDANAO		5,330	589,668,677	0	0	3,080	1,510
34	Tandubas DPP, Tawi-Tawi	Tawi-Tawi	1,198	59,405,885.00		400	120
35	Sibutu DPP, Tawi-Tawi	Tawi-Tawi	939	56,229,885.00		400	120
36	Sacol DPP, Zamboanga	Zamboanga	735	62,134,698.00		300	180
37	West Simunul DPP, Tawi-Tawi	Tawi-Tawi	1,138	250,299,403.00		900	560
38	Manuk Mangkaw DPP, Tawi-Tawi	Tawi-Tawi	377	57,299,403.00		180	130
39	Balimbing DPP, Tawi-Tawi	Tawi-Tawi	943	104,299,403.00		900	400
TOTAL		36,553	1,976	2,200	1,200	6,330	3,000

Note:

* - GCG Spillover project target

** - GCG Target FY 2025, but may spill over to FY 2026 as foreseen in indicative timeline and FY 2025 SARO budget reduction

Projects for implementation/pre-implementatation marks the start of the project.

The Projects for Target for Completion are projects expected to be completed in that particular year



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2026	PROVINCE	ELECTRIFIED HHS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION	
				PROPOSED CAPACITY		PROPOSED CAPACITY	
				Solar PV, kWp	BESS, kWh	Solar PV, kWp	BESS, kWh
LUZON		14,054		2,260	960	1,810	1,130
1	Gilotongan DPP, Masbate	Masbate	1,121	29,660,263	100	60	
2	Cabra DPP, Occ. Mindoro	Occ. Mindoro	500	16,556,371	65	30	
3	Tingloy DPP, Batangas	Batangas	3,354	203,906,371	1,000	300	
4	Malaking Ilog DPP, Masbate	Masbate	261	28,906,371	70	70	
5	Minabel DPP, Cagayan	Cagayan	223	30,056,371	95	60	
6	Balatubat DPP, Cagayan	Cagayan	555	52,806,371	200	80	
7	Maconacon DPP, Isabela	Isabela	1,356	63,606,371	370	120	
8	Sabtang DPP, Batanes	Batanes	628	57,697,900	180	120	
9	Itbayat DPP, Batanes	Batanes	1,035	51,949,600	180	120	
10	Chico DPP, Masbate	Masbate	449	15,000,000		65	30
11	Peña DPP, Masbate	Masbate	424	16,000,000		65	60
12	Nangalao DPP, Palawan	Palawan	325	36,000,000		150	80
13	Casian DPP, Palawan	Palawan	350	19,000,000		105	60
14	Mangsee DPP, Palawan	Palawan	900	59,000,000		340	120
15	Calandagan DPP, Palawan	Palawan	401	41,000,000		190	120
16	Bancalaan I DPP, Palawan	Palawan	597	77,000,000		280	230
17	Bancalaan II DPP, Palawan	Palawan	420	55,000,000		200	160
18	Paly DPP, Palawan	Palawan	388	35,000,000		165	100
19	Calaguas DPP, Camarines Norte	Camarines Norte	767	65,000,000		250	170
VISAYAS		3,544		990	530	950	515
20	Lunang DPP, W. Samar	W. Samar	382	29,673,560	100	40	
21	Takut DPP, W. Samar	W. Samar	642	48,673,560	160	60	
22	Biasong DPP, W. Samar	W. Samar	291	28,543,560	60	30	
23	Kerikite DPP, W. Samar	W. Samar	237	28,543,560	60	30	
24	Cabungaang DPP, W. Samar	W. Samar	443	28,740,502	100	60	
25	Ilijan DPP, W. Samar	W. Samar	226	28,740,502	80	40	
26	Costa Rica DPP, W. Samar	W. Samar	766	53,740,502	180	60	
27	Buluan DPP, W. Samar	W. Samar	153	25,271,078	30	30	
28	Limasawa DPP, Leyte	Leyte	1,576	45,843,309	120	120	



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2026				PROVINCE	ELECTRIFIED HHS	TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION		PROJECTS FOR IMPLEMENTATION/ PRE-IMPLEMENTATION	
							PROPOSED CAPACITY		PROPOSED CAPACITY	
							Solar PV, kWp	BESS, kWh	Solar PV, kWp	BESS, kWh
29	Cinco Rama DPP, W. Samar	W. Samar	742	23,000,000.00	100	60				
30	Kinatarcan DPP, Cebu	Cebu	1,369	58,331,906			250	150		
31	Cabulan DPP, Bohol	Bohol	903	34,410,521			120	40		
32	Suluan DPP, E. Samar	E. Samar	392	18,000,000			80	40		
33	Casuguran DPP, E. Samar	E. Samar	810	31,000,000			180	80		
34	Hilabaan DPP, E. Samar	E. Samar	571	14,000,000.00			60	40		
35	Tikling DPP, E. Samar	E. Samar	172	5,000,000.00			20	10		
36	Habag DPP, E. Samar	E. Samar	97	5,000,000.00			30	10		
37	Inapulangan DPP, E. Samar	E. Samar	151	8,000,000.00			30	20		
38	Sta. Monica DPP, E. Samar	E. Samar	345	13,000,000.00			80	80		
39	Cagusu-an DPP, E. Samar	E. Samar	810	10,000,000.00			40	20		
40	Tarnate DPP, N. Samar	N. Samar	196	10,000,000.00			60	25		
MINDANAO			17,048		3,080	1,510	4,650	2,020		
41	Tandubas DPP, Tawi-Tawi	Tawi-Tawi	1,198	59,546,921.00	400	120				
42	Sibutu DPP, Tawi-Tawi	Tawi-Tawi	939	62,563,721.00	400	120				
43	Sacol DPP, Zamboanga	Zamboanga	735	83,675,698.00	300	180				
44	West Simunul DPP, Tawi-Tawi	Tawi-Tawi	1,138	250,405,180.00	900	560				
45	Manuk Mangkaw DPP, Tawi-Tawi	Tawi-Tawi	377	57,405,180.00	180	130				
46	Balimbing DPP, Tawi-Tawi	Tawi-Tawi	943	104,405,180.00	900	400				
47	Talicud DPP, Davao del Norte	Davao del Norte	1,189	166,000,000.00			720	150		
48	Hikdop DPP, Surigao del Norte	Surigao del Norte	1,071	65,000,000.00			200	60		
49	Siasi DPP, Sulu	Sulu	5,338	316,000,000.00			2,300	1,120		
50	Languyan DPP, Tawi-Tawi	Tawi-Tawi	609	76,000,000.00			300	100		
51	Mapun DPP, Tawi-Tawi	Tawi-Tawi	3,511	106,440,439.00			1,130	590		
TOTAL			34,646	2,848.10	6,330	3,000	7,410	3,665		

Note:

Projects for implementation/pre-implementatation marks the start of the project.

The Projects for Target for Completion are projects expected to be completed in that particular year



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

District Solar Hybridization (ARWP), Existing Areas

2027		PROVINCE	ESTIMATED TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION	
				PROPOSED CAPACITY	
				Solar PV, kWp	BESS, kWh
LUZON			418,000,000	1,810	1,130
1	Chico Solar PV Power Plant (with ESS)	Masbate	15,000,000.00	65	30
2	Peña Solar PV Power Plant (with ESS)	Masbate	16,000,000.00	65	60
3	Nangalao Solar PV Power Plant (with ESS)	Palawan	36,000,000.00	150	80
4	Casian Solar PV Power Plant (with ESS)	Palawan	19,000,000.00	105	60
5	Mangsee Solar PV Power Plant (with ESS)	Palawan	59,000,000.00	340	120
6	Calandagan Solar PV Power Plant (with ESS)	Palawan	41,000,000.00	190	120
7	Bancalaan I Solar PV Power Plant (with ESS)	Palawan	77,000,000.00	280	230
8	Bancalaan II Solar PV Power Plant (with ESS)	Palawan	55,000,000.00	200	160
9	Paly Solar PV Power Plant (with ESS)	Palawan	35,000,000.00	165	100
10	Calaguas Solar PV Power Plant (with ESS)	Camarines Norte	65,000,000.00	250	170
VISAYAS			206,742,426	950	515
11	Kinatarcan DPP, Cebu	Cebu	58,331,905.60	250	150
12	Cabulan DPP, Bohol	Bohol	34,410,520.80	120	40
13	Suluan Solar PV Power Plant (with ESS)	E. Samar	18,000,000.00	80	40
14	Casuguran Solar PV Power Plant (with ESS)	E. Samar	31,000,000.00	180	80
15	Hilabaan Solar PV Power Plant (with ESS)	E. Samar	14,000,000.00	60	40
16	Tikling Solar PV Power Plant (with ESS)	E. Samar	5,000,000.00	20	10
17	Habag Solar PV Power Plant (with ESS)	E. Samar	5,000,000.00	30	10
18	Inapulungan Solar PV Power Plant (with ESS)	E. Samar	8,000,000.00	30	20
19	Sta. Monica Solar PV Power Plant (with ESS)	E. Samar	13,000,000.00	80	80
20	Cagusuan Solar PV Power Plant (with ESS)	E. Samar	10,000,000.00	40	20
21	Tarnate Solar PV Power Plant (with ESS)	N. Samar	10,000,000.00	60	25
MINDANAO			729,440,439	4,650	2,020
22	Talicut Solar PV Power Plant (with ESS)	Davao del Norte	166,000,000.00	720	150
23	Hikdop Solar PV Power Plant (with ESS)	Surigao del Norte	65,000,000.00	200	60
24	Siasi Solar PV Power Plant (with ESS)	Sulu	316,000,000.00	2,300	1,120
25	Languyan Solar PV Power Plant (with ESS)	Tawi-Tawi	76,000,000.00	300	100
26	Mapun DPP, Tawi-Tawi	Tawi-Tawi	106,440,439.00	1,130	590
TOTAL			1,354	7,410	3,665



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2028		PROVINCE	ESTIMATED TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION	
				PROPOSED CAPACITY	
				Solar PV, kWp	BESS, kWh
LUZON			373,000,000	1,365	865
1	Peñafrancia Solar PV Power Plant (with ESS)	Masbate	21,000,000.00	80	30
2	Quezon Solar PV Power Plant (with ESS)	Masbate	12,000,000.00	50	60
3	Mababangbaybay Solar PV Power Plant (with ESS)	Masbate	23,000,000.00	105	60
4	Dancalan Solar PV Power Plant (with ESS)	Masbate	17,000,000.00	80	60
5	Nabuctot Solar PV Power Plant (with ESS)	Masbate	14,000,000.00	60	20
6	Guinawayan Solar PV Power Plant (with ESS)	Masbate	21,000,000.00	75	60
7	Claveria Solar PV Power Plant (with ESS)	Masbate	155,000,000.00	575	385
8	Bisucay Solar PV Power Plant (with ESS)	Palawan	31,000,000.00	95	60
9	Concepcion Agutaya Solar PV Power Plant (with ESS)	Palawan	58,000,000.00	175	60
10	Biton Solar PV Power Plant (with ESS)	Palawan	12,000,000.00	50	60
11	Tara Solar PV Power Plant (with ESS)	Palawan	9,000,000.00	20	10
VISAYAS			98,000,000	330	280
12	Batasan Solar PV Power Plant (with ESS)	Bohol	13,000,000.00	40	40
13	Bilangbilangan Solar PV Power Plant (with ESS)	Bohol	6,000,000.00	20	40
14	Pangapasan Solar PV Power Plant (with ESS)	Bohol	9,000,000.00	30	10
15	Ubay Solar PV Power Plant (with ESS)	Bohol	6,000,000.00	20	20
16	Hambongan Solar PV Power Plant (with ESS)	Bohol	9,000,000.00	50	40
17	Mocaboc Solar PV Power Plant (with ESS)	Bohol	12,000,000.00	30	20
18	Bagongbanwa Solar PV Power Plant (with ESS)	Bohol	26,000,000.00	100	70
19	Mantatao Solar PV Power Plant (with ESS)	Bohol	17,000,000.00	40	40
MINDANAO			1,143,405,180	8,390	2,890
20	Dinagat Solar PV Power Plant (with ESS)	Dinagat	864,405,180.00	7,200	2,000
21	Pangutaran Solar PV Power Plant (with ESS)	Sulu	139,000,000.00	500	400
22	Pandami Solar PV Power Plant (with ESS)	Sulu	52,000,000.00	420	280
23	Pilas Solar PV Power Plant (with ESS)	Basilan	61,000,000.00	170	110
24	Gibusong Solar PV Power Plant (with ESS)	Dinagat	27,000,000.00	100	100
TOTAL			1,614	10,085	4,035

** Dinagat Solar PV Power Plant (with ESS) shows the Total Capacity but the actual implementation/installation will be staggered



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2029		PROVINCE	ESTIMATED TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION	
				PROPOSED CAPACITY	
				Solar PV, kWp	BESS, kWh
LUZON			726,000,000	1,380	3,395
1	Maglambay DPP, Palawan	Palawan	58,000,000.00	110	270
2	Batas DPP, Palawan	Palawan	56,000,000.00	105	260
3	Debangon DPP, Palawan	Palawan	49,000,000.00	90	230
4	Green Island DPP, Palawan	Palawan	91,000,000.00	170	430
5	Pical DPP, Palawan	Palawan	27,000,000.00	50	125
6	Maracanao DPP, Palawan	Palawan	18,000,000.00	35	80
7	Cabugao DPP, Palawan	Palawan	59,000,000.00	110	280
8	Galoc DPP, Palawan	Palawan	35,000,000.00	65	160
9	Ramos DPP, Palawan	Palawan	35,000,000.00	65	160
10	Jintotolo DPP, Masbate	Masbate	165,000,000.00	310	775
11	Atulayan DPP, Camarines Sur	Camarines Sur	6,000,000.00	30	30
12	Babuyan Claro DPP, Cagayan	Cagayan	58,000,000.00	110	270
13	Dibay-Dilam DPP, Cagayan	Cagayan	69,000,000.00	130	325
VISAYAS			1,248,500,000	2,495	5,005
14	Caluya DPP, Antique	Antique	244,500,000.00	600	300
15	Hingotanan DPP, Bohol	Bohol	192,000,000.00	360	910
16	Bilangbilangan II DPP, Bohol	Bohol	164,000,000.00	310	770
17	Malingin DPP, Bohol	Bohol	78,000,000.00	150	360
18	Maomawan DPP, Bohol	Bohol	84,000,000.00	160	390
19	Sagasa DPP, Bohol	Bohol	78,000,000.00	150	360
20	Gaus DPP, Bohol	Bohol	66,000,000.00	125	310
21	Cataban DPP, Bohol	Bohol	53,000,000.00	100	245
22	Molocaboc DPP, Negros Occidental	Negros Occidental	102,000,000.00	190	480
23	San Pedro DPP, S. Leyte	S. Leyte	48,000,000.00	90	225
24	San Pablo DPP, S. Leyte	S. Leyte	48,000,000.00	90	225
25	Tagubanhan DPP, iloilo	iloilo	91,000,000.00	170	430
MINDANAO			3,217,000,000	5,140	12,140
26	Tapiantana DPP, Basilan	Basilan	35,000,000.00	20	20
27	Pangapuyan DPP, Zamboanga	Zamboanga	22,000,000.00	20	20
28	Tigtabon DPP, Zamboanga	Zamboanga	34,000,000.00	80	60
29	Manalipa DPP, Zamboanga	Zamboanga	29,000,000.00	20	30
30	Tumalutab DPP, Zamboanga	Zamboanga	20,000,000.00	50	60
31	Luuk DPP, Sulu	Sulu	73,000,000.00	220	160
32	Great Sta. Cruz DPP, Zamboanga	Zamboanga	7,000,000.00	20	30
33	Lugus DPP, Sulu	Sulu	224,000,000.00	350	880
34	Bucutua DPP, Sulu	Sulu	287,000,000.00	450	1,130
35	Bulan DPP, Sulu	Sulu	164,000,000.00	260	640
36	Banguingui DPP, Sulu	Sulu	71,000,000.00	110	280
37	Paarol DPP, Sulu	Sulu	70,000,000.00	110	275
38	Bangalaw DPP, Sulu	Sulu	109,000,000.00	170	430
39	Tattalan DPP, Sulu	Sulu	75,000,000.00	120	290
40	Saluping DPP, Basilan	Basilan	157,000,000.00	250	620
41	Bubuan DPP, Basilan	Basilan	109,000,000.00	170	430
42	Lanawan DPP, Basilan	Basilan	260,000,000.00	410	1,020
43	Baluk-Baluk DPP, Basilan	Basilan	58,000,000.00	90	225
44	Palahangan DPP, Basilan	Basilan	60,000,000.00	95	235
45	Tabawan DPP, Tawi-Tawi	Tawi-Tawi	124,000,000.00	195	485
46	Taganak DPP, Tawi-Tawi	Tawi-Tawi	137,000,000.00	215	540
47	Sikubong DPP, Tawi-Tawi	Tawi-Tawi	263,000,000.00	415	1,030



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Diesel-Solar Hybridization (MWp), Existing Areas

2029		PROVINCE	ESTIMATED TOTAL BUDGET REQUIREMENT	TARGET FOR COMPLETION	
				PROPOSED CAPACITY	
				Solar PV, kWp	BESS, kWh
48	Baldatal DPP, Tawi-Tawi	Tawi-Tawi	41,000,000.00	65	155
49	Mantabuan DPP, Tawi-Tawi	Tawi-Tawi	186,000,000.00	290	730
50	Latuan DPP, Tawi-Tawi	Tawi-Tawi	93,000,000.00	145	365
51	Banaran DPP, Tawi-Tawi	Tawi-Tawi	260,000,000.00	410	1,020
52	Sarangani DPP, Davao Occidental	Davao Occidental	249,000,000.00	390	980
TOTAL			5,192	9,015	20,540



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN
Wind, Hydro, Biomass Resource Assessment

2024		2025	2026	2027	2028	2029
A. WIND SOURCE ASSESSMENT						
1. Palanan, Isabela	1. Dibay-Dilam, Cagayan	1. Itbayat, Batanes	1. Calaguas, Vinzons, Camarines Norte	1. Sibolo, Caluya, Antique	1. Habag, Guiuan, Eastern Samar	
2. Maconacon, Isabela		2. Minabel, Cagayan	2. Sabtang, Batanes	2. Batbatan, Culasi, Antique	2. Inapulangan, Guiuan, Eastern Samar	
3. Balatubat, Cagayan			3. Tingloy, Batangas	3. Sta. Monica, Oras, Eastern Samar	3. Casuguran, Guiuan, Eastern Samar	
			4. Cabra, Lubang, Occidental Mindoro	4. Hilabaan, Dolores, Eastern Samar	4. Cagusuan, Guiuan, Eastern Samar	
				5. Tikling, Dolores, Eastern Samar	5. Suluan, Guiuan, Eastern Samar	
B. MINI OR MICRO HYDRO SOURCES						
4. Maconacon, Isabela	2. Palimbang DPP, Sultan Kudarat					
5. Rizal, Palawan						
6. Vigo, Lubang, Occ. Mindoro						
7. Limulan, Sultan Kudarat						
PRE-CONSTRUCTION		PROJECT IMPLEMENTATION				
Balagubag, Cagayan		Balagubag, Cagayan				
C. PILOT PROJECT						
1. BIOMASS,						
2. HYDROGEN CELL						
3. VERTICAL AXES)						
4. Fly wheel						



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

CRUDE PALM OIL PILOT (CPO) PROJECT

PROJECT LOCATION		CAPACITY, KW				
		2025	2026	2027	2028	2029
LUZON						
1	Rizal DPP, Palawan	500.00				
MINDANAO						
2	Palimbang DPP, Sultan Kudarat	500.00				
TOTAL		1,000.00				

SOLAR PV PROJECTS FOR ANCILLARY SERVICES

PROJECT LOCATION		CAPACITY, MW				
		2025	2026	2027	2028	2029
LUZON						
1	Palawan			10.00		
2	Mindoro			10.00		
TOTAL				20.00		



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

NPC SPUG Projects

2025-2026		PARTICULARS / PROJECT	ESTIMATED PROJECT COST
LUZON			70,170,000
1	BALONGBONG HEPP	Continuation Of Slope Protection Project And Various Non-Power Components Of Balongbong Hepp	36,000,000
2	CAGAYANCILLO DPP	Supply, Delivery, Installation And Test Of 2X60 M ³ F. O. Storage Tank For Cagayancillo Dpp Including Construction Of Associated Facilities	13,000,000
3	BATAS DPP	Supply/Delivery/Installation Of 10kL PVC FOST Including Its Associated Facilities	1,000,000
4	CALAYAN DPP	Construction of Operators Quarters and Office and Service Bay of Calayan DPP	6,250,000
5	CALUTCOT DPP	Construction of Containerized Office, Bunkhouse and Storage Room of Calutcot DPP	3,420,000
6	Tingloy DPP	CONST OF CONTAINEMENT WALL/BANDWALL OF FOST & WOST	2,500,000
7	Catanduanes SSSL	Rehabilitation of TL Structure Slope Protection Affected by Typhoon Pepito	8,000,000
VISAYAS			28,504,007
8	BIRI DPP	Supply, Delivery of Fuel Oil Storage Tanks (3 x 20kL) and construction of platform and enclosure	3,265,413
9	SAN ANTONIO DPP	Supply, Delivery of Fuel Oil Storage Tanks (3 x 20kL) and construction of platform and enclosure	3,265,413
10	BOHOL 1 MINI GRID	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure and Constructions of Platform with Containment Enclosure (Balicasag, Mantatao and Pamilacan)	3,000,000
11	CAPUL DPP	Supply, Delivery of Fuel Oil Storage Tanks (2 x 20kL) and construction of platform and enclosure	2,176,942
12	LIMASAWA DPP	Supply, Delivery of Fuel Oil Storage Tanks (2 x 20kL) and construction of platform and enclosure	2,176,942
13	TAGAPUL-AN DPP	Supply, Delivery of Fuel Oil Storage Tanks (2 x 20kL) and construction of platform and enclosure	2,176,942
14	ZUMARRAGA DPP	Supply, Delivery of Fuel Oil Storage Tanks (2 x 20kL) and construction of platform and enclosure	2,176,942
15	BATAG DPP	Supply, Delivery of Fuel Oil Storage Tanks (2 x 20kL) and construction of platform and enclosure	2,176,942
16	MARIPIPI DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
17	TARNATE DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,088,471
18	CINCO RAMA DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
19	CAMANDAG DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
20	SAN VICENTE DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
21	TAGUBANHAN DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
22	MOLOCABOC DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
23	TAKUT DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
MINDANAO			86,898,290
24	Minadanao Office	Lunzuran Office	52,154,132
25	LANAWAN DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
26	LUGUS DPP	Construction of 10KL Rainwater Collector	400,000
27	LUUK DPP	Construction of 60KL FOST, 20KL WOST and Spareparts Warehouse	11,000,000
28	MANALIPA DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
29	PANDAMI DPP	Supply, Delivery & Installation of FOST Fuel tank 20kl capacity	1,068,471
30	SACOL DPP	Supply, Delivery & Installation of FOST Fuel tank 20kl capacity	1,068,471
31	PANGAPUYAN DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
32	SITANGKAI DPP	Purchase of New Lot	1,000,000
33	TABAWAN DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
34	TAGANAK DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
35	TAPIANTANA DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
36	TIGTABON DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
37	TUMALUTAB DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
38	WEST SIMUNUL DPP	Construction of fuel-oil storage tank (FOST), 120KL	15,000,000
		TOTAL	185,572,297



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

NPC SPUG Projects

2027		PARTICULARS / PROJECT	ESTIMATED PROJECT COST
LUZON			100,750,000
1	CLAVERIA DPP	Renovation Of Power House And Facilities Improvement	4,000,000
2	BURIAS MINI-GRID2	Relocation Of Osmeña Dpp	20,000,000
3	AGUTAYA DPP	Supply, Delivery, Installation And Test Of 2 X 60 Cubic Meter Fuel Oil Storage Tank For Agutaya Dpp Including Construction Of Associated Facilities.	12,000,000
4	SAN VICENTE DPP	Construction of 200 KI Fost	12,000,000
5	CUYO DPP	Construction of 200 KI Fost	12,000,000
6	NPSSTL	Construction of Switchgear Enclosure At Roxas Substation	5,500,000
7	NPSSTL	Renovation of Five (5) Steel Towers Along The Puerto To Davao 60Kv Transmission Line	5,000,000
8	SPSSTL	Construction Of Warehouse, Quarters And Repair Of Perimeter Fence For Southern Palawan S/S (Narra Substation)	11,250,000
9	MAGLALAMBAY DPP	Supply/Delivery/Installation Of 10kL PVC FOST Including Its Associated Facilities	1,000,000
10	GALOC DPP	Supply/Delivery/Installation Of 10kL PVC FOST Including Its Associated Facilities	1,000,000
11	PATNANUNGAN DPP	Construction of Pavement front of 5x 500 kw Cummins Genset - Patanungan DPP	3,000,000
12	MONGPONG DPP	Construction of Power Facility and Installation 1x 10kL FOST of Mongpong DPP	13,000,000
13	NPSSTL	Rehabilitation of TL Structure Slope Protection Affected by Typhoon Julian	1,000,000
VISAYAS			41,450,000
14	LIBUCAN DPP	Supply, Delivery of Fuel Oil Storage Tanks (1 x 20kL) and construction of platform and enclosure	1,000,000
15	BOHOL 2 MINI GRID	Relocation of the Plant from the Old Site to the New Site (Bagongbanwa and Bilangbilangan DPPs)	3,500,000
16	BOHOL 3 MINI GRID	Lot Acquisition for BMG 3 Office at Talibon, Bohol	17,800,000
17	KINATARCAN DPP	Relocation of the Plant from the Old Site to the New Site	17,800,000
18	CALUYA DPP	Supply, delivery and installation of containerized van for New Area of Caluya DPP(Bunkhouse, Control Room and Storage Area)	1,350,000
MINDANAO			17,700,902
19	BALIMBING DPP	Rehabilitation of Workshop & Warehouse of Balimbing DPP	500,000
20	BANGALAW DPP	Construction of outdoor engine shed	250,000
21	BASILAN DPP	Water tight septic tank	350,000
22	BUBUAN DPP	Construction of outdoor engine shed	250,000
23	BUCUTUA DPP	Construction of outdoor engine shed	250,000
24	BULAAAN DPP	Construction of outdoor engine shed	250,000
25	GREAT STA. CRUZ DPP	Supply, Delivery & Installation of FOST Fuel tank 10kl capacity	650,902
26	JOLO DPP	Construction of Hazardous Waste and Recovery Facility	1,000,000
27	MANUK MANGKAW DPP	Purchase of lot for new site where present location is under land	1,000,000
28	PAAROL DPP	Construction of outdoor engine shed	250,000
29	PILAS DPP	Construction of Engine Shed, 30KL FOST with Pump House and Water Tank	8,600,000
30	SALUPING DPP	Construction of outdoor engine shed	250,000
31	SIASI DPP	Hazardous and waste material facilities	400,000
32	SIBUTU DPP	Construction of Waste oil Storage tank, 3KL	700,000
33	SITANGKAI DPP	Purchase of adjacent lot for Construction of FOST & Waste oil storage tank	1,000,000
34	TAGANAK DPP	Construction of Warehouse/Spareparts Storage Facility	750,000
35	TAGANAK DPP	Construction of Outdoor Diesel Engine Shed	250,000
36	TANDUBANAK DPP	Construction of Water Tight Septic Tank at Powerhouse	350,000
37	TANDUBAS DPP	Construction of Warehouse and Workshop	400,000
38	TONGKIL DPP	Construction of outdoor engine shed	250,000
TOTAL			159,900,902
2029		PARTICULARS / PROJECT	ESTIMATED PROJECT COST
1	NPC HEAD OFFICE	Construction of the New NPC Head Office Building	



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Renewable Energy Compliance Plan for Luzon

POWER PLANT	PROVINCE	PROPOSED		ESTIMATED START OF COMPLIANCE	ESTIMATED RECs GENERATED (1REC = 1MWh)
		Solar PV, kWp	BESS, kWh		
LUZON		9,155	7,300		12,252
1 Palumbanes Solar PV Power Plant (with ESS)	Catanduanes	30	20	2027	44
2 Palanan Solar PV Power Plant (with ESS)	Isabela	150	120	2027	201
3 Rapu-Rapu Solar PV Power Plant (with ESS)	Albay	500	120	2027	717
4 Kalayaan Solar PV Power Plant (with ESS)	Palawan	150	150	2027	223
5 Calayan Solar PV Power Plant (with ESS)	Cagayan	400	60	2027	576
6 Batan Solar PV Power Plant (with ESS)	Albay	300	120	2027	430
7 Calutcot Solar PV Power Plant (with ESS)	Quezon	60	60	2027	88
8 Butawan Solar PV Power Plant (with ESS)	Camarines Sur	40	60	2027	60
9 San Pascual Solar PV Power Plant (with ESS)	Masbate	500	120	2027	745
10 Naro Solar PV Power Plant (with ESS)	Masbate	150	60	2027	225
11 Osmeña Solar PV Power Plant (with ESS)	Masbate	60	60	2027	92
12 Sabtang Solar PV Power Plant (with ESS)	Batanes	180	120	2028	244
13 Itbayat Solar PV Power Plant (with ESS)	Batanes	180	120	2028	248
14 Gilotongan Solar PV Power Plant (with ESS)	Masbate	100	60	2028	152
15 Cabra Solar PV Power Plant (with ESS)	Occ. Mindoro	65	30	2028	94
16 Tingloy Solar PV Power Plant (with ESS)	Batangas	1000	300	2028	1,090
17 Malaking Ilog Solar PV Power Plant (with ESS)	Masbate	70	70	2028	89
18 Minabel Solar PV Power Plant (with ESS)	Cagayan	95	60	2028	94
19 Balatubat Solar PV Power Plant (with ESS)	Cagayan	200	80	2028	209
20 Maconacon Solar PV Power Plant (with ESS)	Isabela	370	120	2028	495
21 Chico Solar PV Power Plant (with ESS)	Masbate	65	30	2029	76
22 Peña Solar PV Power Plant (with ESS)	Masbate	65	60	2029	96
23 Nangalao Solar PV Power Plant (with ESS)	Palawan	150	80	2029	175
24 Casian Solar PV Power Plant (with ESS)	Palawan	105	60	2029	201
25 Mangsee Solar PV Power Plant (with ESS)	Palawan	340	120	2029	494
26 Calandagan Solar PV Power Plant (with ESS)	Palawan	190	120	2029	295
27 Bancalaan I Solar PV Power Plant (with ESS)	Palawan	280	230	2029	329
28 Bancalaan II Solar PV Power Plant (with ESS)	Palawan	200	160	2029	231
29 Paly Solar PV Power Plant (with ESS)	Palawan	165	100	2029	244
30 Calaguas Solar PV Power Plant (with ESS)	Camarines Norte	250	170	2029	346
31 Peñafrancia Solar PV Power Plant (with ESS)	Masbate	80	30	2030	123
32 Quezon Solar PV Power Plant (with ESS)	Masbate	50	60	2030	76
33 Mababangbaybay Solar PV Power Plant (with ESS)	Masbate	105	60	2030	156
34 Dancalan Solar PV Power Plant (with ESS)	Masbate	80	60	2030	119
35 Nabuctot Solar PV Power Plant (with ESS)	Masbate	60	20	2030	92
36 Guinawayan Solar PV Power Plant (with ESS)	Masbate	75	60	2030	114
37 Claveria Solar PV Power Plant (with ESS)	Masbate	575	385	2030	776
38 Bisucay Solar PV Power Plant (with ESS)	Palawan	95	60	2030	146
39 Concepcion Solar PV Power Plant (with ESS)	Palawan	175	60	2030	276
40 Biton Solar PV Power Plant (with ESS)	Palawan	50	60	2030	74
41 Tara Solar PV Power Plant (with ESS)	Palawan	20	10	2030	32
42 Maglalambay Solar PV Power Plant (with ESS)	Palawan	110	270	2031	76
43 Batas Solar PV Power Plant (with ESS)	Palawan	105	260	2031	76
44 Debangon Solar PV Power Plant (with ESS)	Palawan	90	230	2031	108
45 Green Island Solar PV Power Plant (with ESS)	Palawan	170	430	2031	227
46 Pical Solar PV Power Plant (with ESS)	Palawan	50	125	2031	67
47 Maracanao Solar PV Power Plant (with ESS)	Palawan	35	80	2031	47
48 Cabugao Solar PV Power Plant (with ESS)	Palawan	110	280	2031	147
49 Galoc Solar PV Power Plant (with ESS)	Palawan	65	160	2031	53
50 Ramos Solar PV Power Plant (with ESS)	Palawan	65	160	2031	87
51 Jintotolo Solar PV Power Plant (with ESS)	Masbate	310	775	2031	415
52 Atulayan Solar PV Power Plant (with ESS)	Camarines Sur	30	30	2031	42
53 Babuyan Claro Solar PV Power Plant (with ESS)	Cagayan	110	270	2031	147
54 Dibay-Dilam Solar PV Power Plant (with ESS)	Cagayan	130	325	2031	174



NATIONAL POWER CORPORATION

CORPORATE AFFAIRS GROUP
Corporate Planning Department

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Renewable Energy Compliance Plan for Visayas

POWER PLANT		PROVINCE	PROPOSED		ESTIMATED START OF COMPLIANCE	ESTIMATED RECs GENERATED (1REC = 1MWh)
			Solar PV, kWp	BESS, kWh		
VISAYAS			5,535	7,350		8,064
1	Cuaming Solar PV Power Plant (with ESS)	Bohol	55	60	2027	80
2	Maripipi Solar PV Power Plant (with ESS)	Biliran	150	150	2027	218
3	Sibolo Solar PV Power Plant (with ESS)	Antique	40	60	2027	62
4	Balicasag Solar PV Power Plant (with ESS)	Bohol	55	60	2027	79
5	Batbatan Solar PV Power Plant (with ESS)	Antique	150	120	2027	223
6	Libucan Solar PV Power Plant (with ESS)	W. Samar	100	60	2027	142
7	Bagongon Solar PV Power Plant (with ESS)	W. Samar	45	60	2027	64
8	Cinco Rama Solar PV Power Plant (with ESS)	W. Samar	100	60	2028	138
9	Limasawa Solar PV Power Plant (with ESS)	Leyte	120	120	2028	170
10	Lunang Solar PV Power Plant (with ESS)	W. Samar	100	40	2028	145
11	Takut Solar PV Power Plant (with ESS)	W. Samar	160	60	2028	384
12	Biasong Solar PV Power Plant (with ESS)	W. Samar	60	30	2028	87
13	Kerikite Solar PV Power Plant (with ESS)	W. Samar	60	30	2028	87
14	Cabungaan Solar PV Power Plant (with ESS)	W. Samar	100	60	2028	135
15	Ilijan Solar PV Power Plant (with ESS)	W. Samar	80	40	2028	116
16	Costa Rica Solar PV Power Plant (with ESS)	W. Samar	180	60	2028	261
17	Buluan Solar PV Power Plant (with ESS)	W. Samar	30	30	2028	42
18	Kinatarcan Solar PV Power Plant (with ESS)	Cebu	250	150	2029	384
19	Cabul-an Solar PV Power Plant (with ESS)	Bohol	120	40	2029	146
20	Canhawan Gote Solar PV Power Plant (with ESS)	W. Samar	175	450	2029	242
21	Suluan Solar PV Power Plant (with ESS)	E. Samar	80	40	2029	119
22	Casuguran Solar PV Power Plant (with ESS)	E. Samar	180	80	2029	261
23	Hilabaan Solar PV Power Plant (with ESS)	E. Samar	60	40	2029	90
24	Tikling Solar PV Power Plant (with ESS)	E. Samar	20	10	2029	29
25	Habag Solar PV Power Plant (with ESS)	E. Samar	30	10	2029	43
26	Inapulungan Solar PV Power Plant (with ESS)	E. Samar	30	20	2029	43
27	Sta. Monica Solar PV Power Plant (with ESS)	E. Samar	80	80	2029	120
28	Cagusu-an Solar PV Power Plant (with ESS)	E. Samar	40	20	2029	59
29	Tarnate Solar PV Power Plant (with ESS)	N. Samar	60	25	2029	90
30	Batasan Solar PV Power Plant (with ESS)	Bohol	40	40	2030	55
31	Bilangbilangan Solar PV Power Plant (with ESS)	Bohol	20	40	2030	29
32	Pangapasan Solar PV Power Plant (with ESS)	Bohol	30	10	2030	42
33	Ubay Solar PV Power Plant (with ESS)	Bohol	20	20	2030	28
34	Hambongan Solar PV Power Plant (with ESS)	Bohol	50	40	2030	70
35	Mocaboc Solar PV Power Plant (with ESS)	Bohol	30	20	2030	43
36	Bagongbanwa Solar PV Power Plant (with ESS)	Bohol	100	70	2030	144
37	Mantatao Solar PV Power Plant (with ESS)	Bohol	40	40	2030	56
38	Caluya Solar PV Power Plant (with ESS)	Antique	600	300	2031	925
39	Hingotanan Solar PV Power Plant (with ESS)	Bohol	360	910	2031	497
40	Bilangbilangan II Solar PV Power Plant (with ESS)	Bohol	310	770	2031	428
41	Malingin Solar PV Power Plant (with ESS)	Bohol	150	360	2031	207
42	Maomawan Solar PV Power Plant (with ESS)	Bohol	160	390	2031	221
43	Sagasa Solar PV Power Plant (with ESS)	Bohol	150	360	2031	207
44	Gaus Solar PV Power Plant (with ESS)	Bohol	125	310	2031	173
45	Cataban Solar PV Power Plant (with ESS)	Bohol	100	245	2031	138
46	Molocaboc Solar PV Power Plant (with ESS)	Negros Occiden	190	480	2031	262
47	San Pedro Solar PV Power Plant (with ESS)	S. Leyte	90	225	2031	124
48	San Pablo Solar PV Power Plant (with ESS)	S. Leyte	90	225	2031	124
49	Tagubanhon Solar PV Power Plant (with ESS)	Iloilo	170	430	2031	235



2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

Renewable Energy Compliance Plan for Mindanao

POWER PLANT	PROVINCE	PROPOSED		ESTIMATED START OF COMPLIANCE	ESTIMATED RECs GENERATED (1REC = 1MWh)
		Solar PV, kWp	BESS, kWh		
MINDANAO		21,610	19,510		30,832
1 Tandubas Solar PV Power Plant (with ESS)	Tawi-Tawi	400	120	2028	1,007
2 Sibutu Solar PV Power Plant (with ESS)	Tawi-Tawi	400	120	2028	1,044
3 Sacol Solar PV Power Plant (with ESS)	Zamboanga	300	180	2028	463
4 West Simunul Solar PV Power Plant (with ESS)	Tawi-Tawi	900	560	2028	1,319
5 Manuk Mangkaw Solar PV Power Plant (with ESS)	Tawi-Tawi	180	130	2028	223
6 Balimbing Solar PV Power Plant (with ESS)	Tawi-Tawi	900	400	2028	1,303
7 Mapun Solar PV Power Plant (with ESS)	Tawi-Tawi	1130	590	2029	1,633
8 Sibanag Solar PV Power Plant (with ESS)	Dinagat	350	950	2029	507
9 Talicud Solar PV Power Plant (with ESS)	Davao del Norte	720	150	2029	1,069
10 Hikdop Solar PV Power Plant (with ESS)	Surigao del Norte	200	60	2029	270
11 Siasi Solar PV Power Plant (with ESS)	Sulu	2300	1120	2029	3,329
12 Languyan Solar PV Power Plant (with ESS)	Tawi-Tawi	300	100	2029	409
13 Dinagat Solar PV Power Plant (with ESS)	Dinagat	7200	2000	2030	9,624
14 Pangutaran Solar PV Power Plant (with ESS)	Sulu	500	400	2030	751
15 Pandami Solar PV Power Plant (with ESS)	Sulu	420	280	2030	598
16 Pilas Solar PV Power Plant (with ESS)	Basilan	170	110	2030	247
17 Gibusong Solar PV Power Plant (with ESS)	Dinagat	100	100	2030	143
18 Tapiantana Solar PV Power Plant (with ESS)	Basilan	20	20	2031	29
19 Pangapuyan Solar PV Power Plant (with ESS)	Zamboanga	20	20	2031	30
20 Tigtabon Solar PV Power Plant (with ESS)	Zamboanga	80	60	2031	121
21 Manalipa Solar PV Power Plant (with ESS)	Zamboanga	20	30	2031	30
22 Tumulutab Solar PV Power Plant (with ESS)	Zamboanga	50	60	2031	75
23 Luuk Solar PV Power Plant (with ESS)	Sulu	220	160	2031	265
24 Great Sta. Cruz Solar PV Power Plant (with ESS)	Zamboanga	20	30	2031	30
25 Lugus Solar PV Power Plant (with ESS)	Sulu	350	880	2031	507
26 Bucutua Solar PV Power Plant (with ESS)	Sulu	450	1130	2031	651
27 Bulan Solar PV Power Plant (with ESS)	Sulu	260	640	2031	376
28 Banguingui Solar PV Power Plant (with ESS)	Sulu	110	280	2031	159
29 Paarol Solar PV Power Plant (with ESS)	Sulu	110	275	2031	159
30 Bangalaw Solar PV Power Plant (with ESS)	Sulu	170	430	2031	246
31 Tattalan Solar PV Power Plant (with ESS)	Sulu	120	290	2031	174
32 Saluping Solar PV Power Plant (with ESS)	Basilan	250	620	2031	362
33 Bubuan Solar PV Power Plant (with ESS)	Basilan	170	430	2031	246
34 Lanawan Solar PV Power Plant (with ESS)	Basilan	410	1020	2031	89
35 Baluk-Baluk Solar PV Power Plant (with ESS)	Basilan	90	225	2031	130
36 Palahangan Solar PV Power Plant (with ESS)	Basilan	95	235	2031	138
37 Tabawan Solar PV Power Plant (with ESS)	Tawi-Tawi	195	485	2031	282
38 Taganak Solar PV Power Plant (with ESS)	Tawi-Tawi	215	540	2031	311
39 Sikubong Solar PV Power Plant (with ESS)	Tawi-Tawi	415	1030	2031	601
40 Baldatal Solar PV Power Plant (with ESS)	Tawi-Tawi	65	155	2031	94
41 Mantabuan Solar PV Power Plant (with ESS)	Tawi-Tawi	290	730	2031	420
42 Latuan Solar PV Power Plant (with ESS)	Tawi-Tawi	145	365	2031	210
43 Banaran Solar PV Power Plant (with ESS)	Tawi-Tawi	410	1020	2031	593
44 Sarangani Solar PV Power Plant (with ESS)	Davao Occidental	390	980	2031	565



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Revenue Management Department
Electricity Tariff Division

2025 - 2029 MISSIONARY ELECTRIFICATION PLAN

PROJECTED RESULTS OF OPERATION

UCME SUBSIDY REQUIREMENTS for NPC PLANTS and NPP/QTP, Thousand Pesos

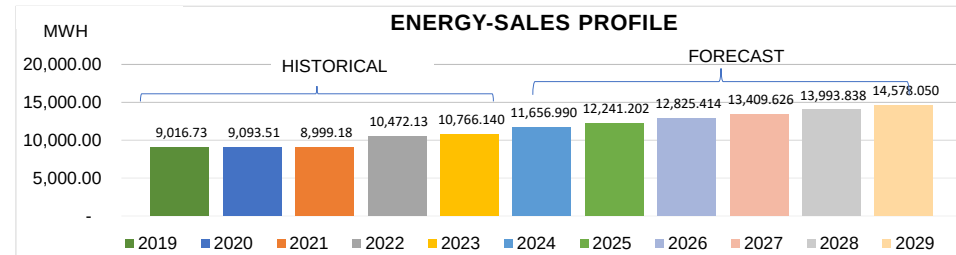
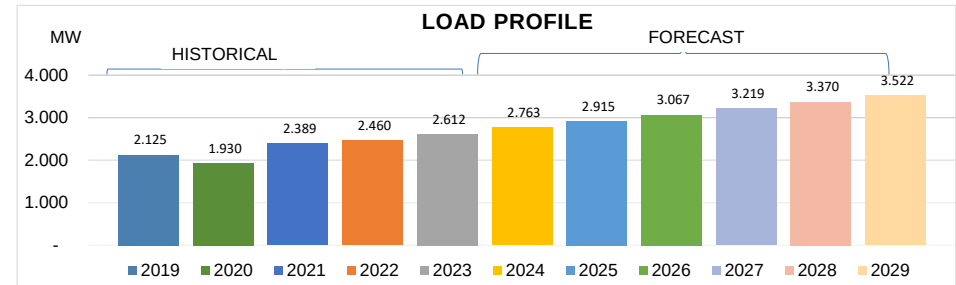
PARTICULARS	2025	2026	2027	2028	2029
Gross Generation, MWh	574,330.85	648,828.40	569,889.36	582,615.92	611,645.92
Oil	568,165.79	638,538.61	550,425.08	552,360.75	566,592.02
Hydro	5,159.58	6,258.22	6,405.16	6,552.10	6,699.05
RE	1,005.47	4,031.57	13,059.12	23,703.07	38,354.86
Energy Sales, MWh	553,226.98	628,428.25	550,170.25	562,761.54	591,341.10
Oil	547,108.34	618,185.45	530,754.06	532,555.56	546,337.49
Hydro	5,113.17	6,211.23	6,357.07	6,502.91	6,648.75
RE	1,005.47	4,031.57	13,059.12	23,703.07	38,354.86
Net Utility Revenue	3,954,787.57	4,499,991.63	3,940,384.31	4,027,991.40	4,232,670.89
Less: Variable Cost (Fuel)	12,292,569.30	15,307,538.15	14,212,551.39	14,711,357.39	16,400,166.20
Diesel	12,292,569.30	15,307,538.15	14,212,551.39	14,711,357.39	16,400,166.20
Bunker	-	-	-	-	-
Gross Generation Margin	(8,337,781.73)	(10,807,546.51)	(10,272,167.09)	(10,683,366.00)	(12,167,495.32)
Less: Fixed Costs	5,295,790.65	5,425,555.29	5,304,128.49	5,371,963.25	5,511,017.54
Depreciation - Operating Plant	767,072.60	761,887.15	748,460.52	736,820.52	736,820.52
Plant	767,072.60	761,887.15	748,460.52	736,820.52	736,820.52
Other Operating Exp.	4,528,718.05	4,663,668.15	4,555,667.97	4,635,142.73	4,774,197.01
Total Direct	2,251,172.41	2,317,796.14	2,139,419.80	2,146,407.12	2,210,799.33
Plant	2,018,173.57	2,077,807.34	1,892,231.34	1,891,803.00	1,948,557.09
OM per Area	232,998.83	239,988.80	247,188.46	254,604.12	262,242.24
Total Indirect	2,277,545.64	2,345,872.01	2,416,248.17	2,488,735.61	2,563,397.68
Head Office Support Group Allocation	1,904,775.60	1,961,918.87	2,020,776.44	2,081,399.73	2,143,841.72
Regional Office Support Group Allocation	372,770.03	383,953.14	395,471.73	407,335.88	419,555.96
Net Generation Margin before Interest	(13,633,572.37)	(16,233,101.81)	(15,576,295.58)	(16,055,329.25)	(17,678,512.86)
Less: Interest & Other Charges on STLL	802,534.75	863,725.06	801,901.43	701,269.01	615,720.39
Net Generation Margin after Interest Expense	(14,436,107.12)	(17,096,826.87)	(16,378,197.01)	(16,756,598.25)	(18,294,233.24)
TOTAL COST OF SERVICE	20,225,787.16	23,407,750.30	22,001,412.23	22,395,530.12	24,162,885.50
VARIABLE COST	12,292,569.30	15,307,538.15	14,212,551.39	14,711,357.39	16,400,166.20
FIXED COST	5,295,790.65	5,425,555.29	5,304,128.49	5,371,963.25	5,511,017.54
12% RORB	1,834,892.46	1,810,931.79	1,682,830.91	1,610,940.47	1,635,981.37
Interest & Other Charges on STLL	802,534.75	863,725.06	801,901.43	701,269.01	615,720.39
LESS: REVENUE FROM SALES	3,954,787.57	4,499,991.63	3,940,384.31	4,027,991.40	4,232,670.89
UCME REQUIREMENTS FOR NPC PLANTS	16,270,999.59	18,907,758.66	18,061,027.92	18,367,538.72	19,930,214.61
ADD: UCME REQUIREMENTS FOR NPP/QTP	14,598,266.64	19,305,862.84	20,560,159.59	22,244,671.55	23,053,380.11
UCME SUBSIDY REQUIREMENTS	30,869,266.22	38,213,621.51	38,621,187.52	40,612,210.28	42,983,594.73



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

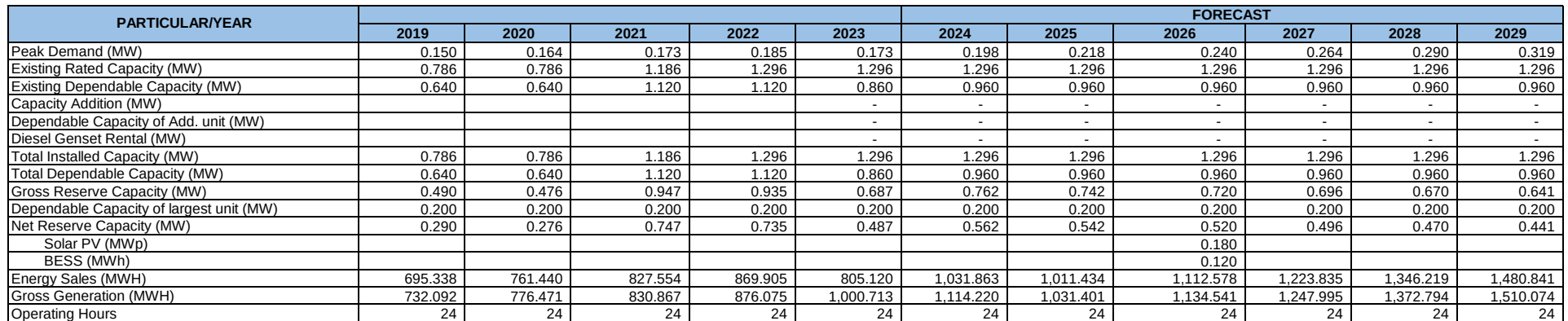
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BASCO DPP
Name of Plant Head:	ERNESTO O. ROSAS, JR.
Address:	National Road, Disung, Brgy. Kaychanarianan, Basco, Batanes
Contact No.:	0921-832-5734
Email Address:	eorosasjr@napocor.gov.ph
Distribution Utility:	BATANELCO
Number of Barangays:	18
Number of Households (2020 CENSUS):	4,132
Number of Energized Households	5,662
Percentage of Energization	137%



PARTICULAR/YEAR						FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	2.125	1.930	2.389	2.460	2.612	2.763	2.915	3.067	3.219	3.370	3.522
Existing Rated Capacity (MW)	2.800	2.800	2.800	4.628	5.728	5.728	5.728	5.728	5.728	5.728	5.728
Existing Dependable Capacity (MW)	2.350	2.350	2.350	2.850	3.800	4.300	4.300	4.300	4.300	4.300	4.300
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)	0.600	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
Total Installed Capacity (MW)	3.400	3.900	3.900	5.728	6.828	6.828	6.828	6.828	6.828	6.828	6.828
Total Dependable Capacity (MW)	2.950	3.450	3.450	3.950	4.900	5.400	5.400	5.400	5.400	5.400	5.400
Gross Reserve Capacity (MW)	0.825	1.520	1.061	1.490	2.288	2.637	2.485	2.333	2.181	2.030	1.878
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Net Reserve Capacity (MW)	0.225	0.920	0.461	0.990	1.788	2.137	1.985	1.833	1.681	1.530	1.378
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWh)					-	-	-	-	-	-	-
Energy Sales (MWH)	9,016.73	9,093.51	8,999.18	10,472.13	10,766.140	11,656.990	12,241.202	12,825.414	13,409.626	13,993.838	14,578.050
Gross Generation (MWH)	9,291.15	9,146.57	9,033.37	10,490.68	11,080.774	11,947.257	12,531.469	13,115.681	13,699.893	14,284.105	14,868.317
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE

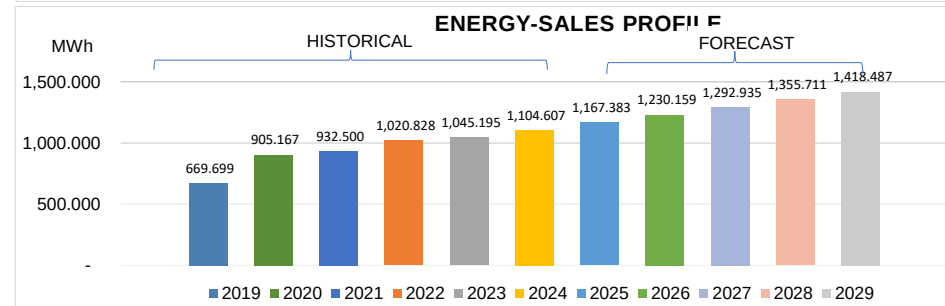
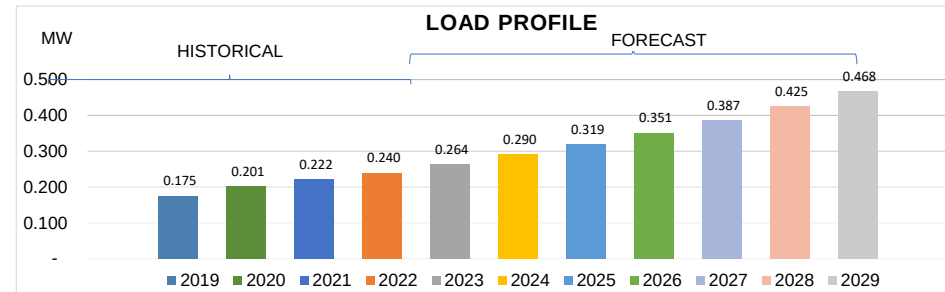
Year	MW
2019	0.150
2020	0.164
2021	0.173
2022	0.185
2023	0.173
2024	0.198
2025	0.218
2026	0.240
2027	0.264
2028	0.290
2029	0.319





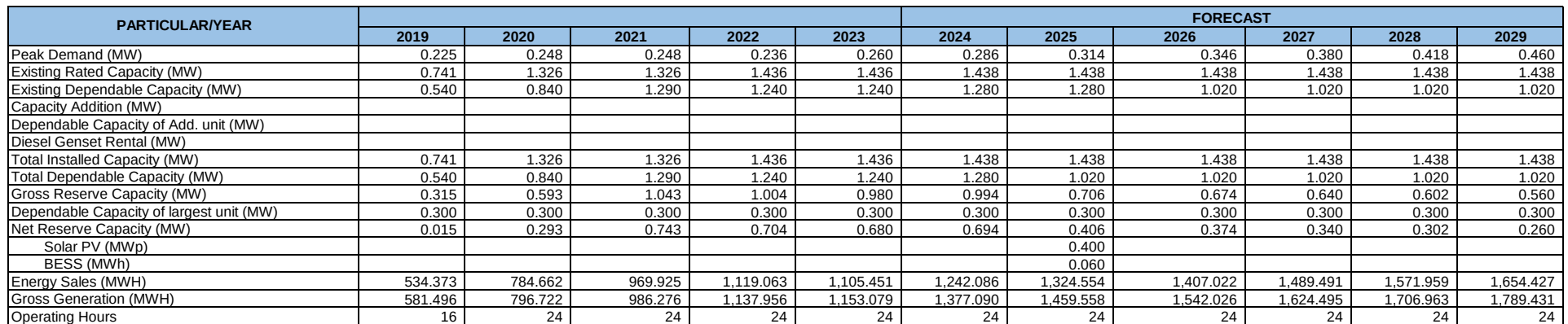
MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ITBAYAT DPP
Name of Plant Head:	ROWAN ANGELO A. CABUCO
Address:	Brgy. San Rafael, Itbayat, Batanes
Contact No.:	0929-218-9463 0998-569-5911
Email Address:	raacabuco@napocor.gov.ph
Distribution Utility:	BATANELCO
Number of Barangays:	5
Number of Households (2020 CENSUS):	923
Number of Energized Households	1,009
Percentage of Energization	109%

[illegible]

LOAD PROFILE

Year	MW	Category
2019	0.225	HISTORICAL
2020	0.248	HISTORICAL
2021	0.248	HISTORICAL
2022	0.236	HISTORICAL
2023	0.260	FORECAST
2024	0.286	FORECAST
2025	0.314	FORECAST
2026	0.346	FORECAST
2027	0.380	FORECAST
2028	0.418	FORECAST
2029	0.460	FORECAST

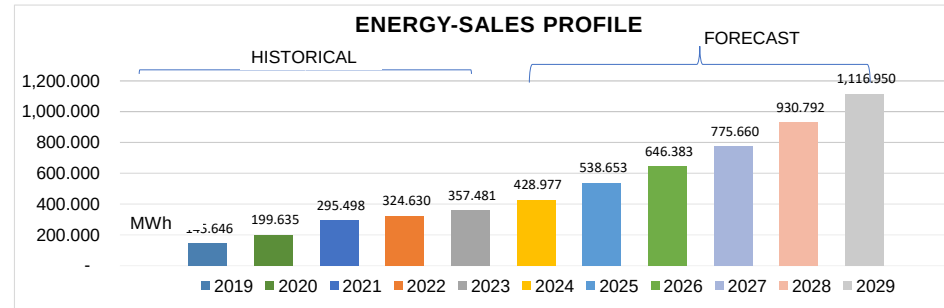
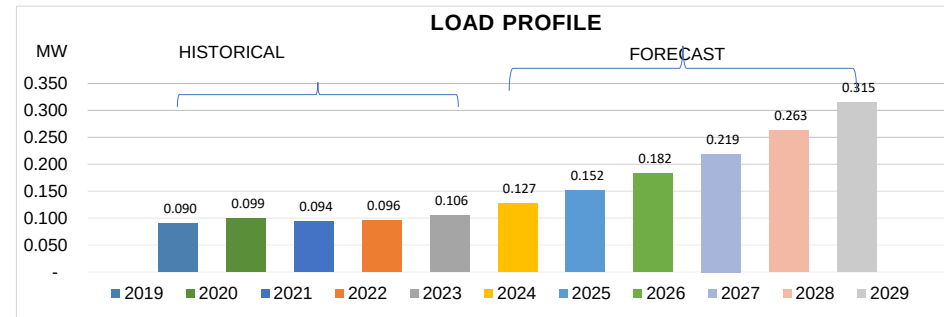




NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALATUBAT DPP
Name of Plant Head:	BERNARD P. PALLOGAN
Address:	Brgy. Balatubat, Camiguin Island, Calayan, Cagayan
Contact No.:	0908-181-8768 0916-101-7484
Email Address:	bppallogan@napocor.gov.ph
Distribution Utility:	CAGELCO II
Number of Barangays:	2
Number of Households (2020 CENSUS):	864
Number of Energized Households	547
Percentage of Electrification	63%



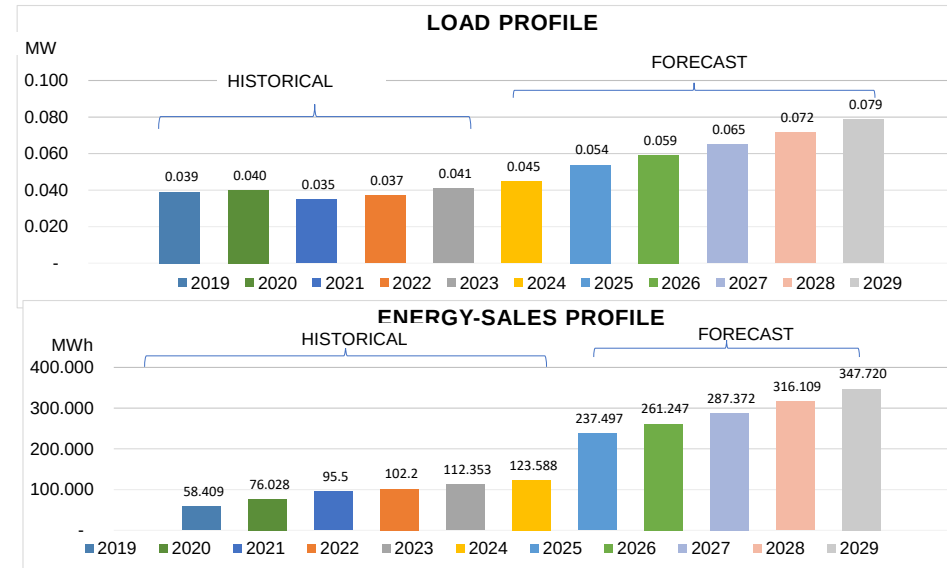
PARTICULAR/YEAR						FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.090	0.099	0.094	0.096	0.106	0.127	0.152	0.182	0.219	0.263	0.315
Existing Rated Capacity (MW)	0.335	0.335	0.335	0.393	0.393	0.543	0.543	0.543	0.543	0.543	0.543
Existing Dependable Capacity (MW)	0.320	0.320	0.320	0.320	0.320	0.425	0.425	0.425	0.425	0.425	0.425
Capacity Addition (MW)					0.150	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					0.105	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.335	0.335	0.335	0.393	0.543	0.543	0.543	0.543	0.543	0.543	0.543
Total Dependable Capacity (MW)	0.320	0.320	0.320	0.320	0.425	0.425	0.425	0.425	0.425	0.425	0.425
Gross Reserve Capacity (MW)	0.230	0.221	0.226	0.224	0.319	0.298	0.273	0.243	0.206	0.162	0.425
Dependable Capacity of largest unit (MW)	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
Net Reserve Capacity (MW)	0.120	0.111	0.116	0.114	0.209	0.188	0.163	0.133	0.096	0.052	0.315
Solar PV (MWp)					-	-	-	0.200	-	-	-
BESS (MWh)					-	-	-	0.080	-	-	-
Energy Sales (MWH)	145.646	199.635	295.498	324.630	357.481	428.977	538.653	646.383	775.660	930.792	1,116.950
Gross Generation (MWH)	156.992	202.009	299.083	328.925	361.818	434.181	545.188	654.225	785.070	942.084	1,130.501
Operating Hours	8	8	16	16	24	24	24	24	24	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MINABEL DPP
Name of Plant Head:	BERNARD P. PALLOGAN
Address:	Brgy. Minabel, Camiguin Island, Calayan, Cagayan
Contact No.:	0908-181-8768 0916-101-7484
Email Address:	bpallogan@napocor.gov.ph
Distribution Utility:	CAGELCO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	429
Number of Energized Households	223
Percentage of Energization	52%



PARTICULAR/YEAR						FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.039	0.040	0.035	0.037	0.041	0.045	0.054	0.059	0.065	0.072	0.079
Existing Rated Capacity (MW)	0.189	0.189	0.189	0.195	0.195	0.295	0.295	0.295	0.295	0.295	0.295
Existing Dependable Capacity (MW)	0.180	0.180	0.180	0.180	0.180	0.180	0.270	0.270	0.270	0.270	0.270
Capacity Addition (MW)						-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)	-					-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.189	0.189	0.189	0.195	0.295	0.295	0.295	0.295	0.295	0.295	0.295
Total Dependable Capacity (MW)	0.180	0.180	0.180	0.180	0.270	0.270	0.270	0.270	0.270	0.270	0.270
Gross Reserve Capacity (MW)	0.141	0.140	0.145	0.143	0.229	0.225	0.216	0.211	0.205	0.198	0.191
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Net Reserve Capacity (MW)	0.061	0.060	0.065	0.043	0.129	0.125	0.116	0.111	0.105	0.098	0.091
Solar PV (MWp)					-	-	-	0.095	-	-	-
BESS (MWh)					-	-	-	0.060	-	-	-
Energy Sales (MWH)	58.409	76.028	95.5	102.2	112.353	123.588	237.497	261.247	287.372	316.109	347.720
Gross Generation (MWH)	72.554	77.823	98.6	105.5	116.048	127.653	245.308	269.839	296.823	326.505	359.156
Operating Hours	8	8	16	16	16.000	16.000	24.000	24.000	24.000	24.000	24.000

LOAD PROFILE

The Load Profile chart displays the average load in MW from 2019 to 2029. The Y-axis ranges from 0.000 to 0.800 MW. The chart is divided into a Historical period (2019-2023) and a Forecast period (2024-2029). The load shows a steady increase over the decade.

Year	Load (MW)
2019	0.232
2020	0.255
2021	0.278
2022	0.300
2023	0.340
2024	0.374
2025	0.411
2026	0.453
2027	0.507
2028	0.568
2029	0.636

ENERGY SALES PROFILE

The Energy Sales Profile chart displays the total energy sales in MWh from 2019 to 2029. The Y-axis ranges from 0 to 4,000,000 MWh. The chart is divided into a Historical period (2019-2023) and a Forecast period (2024-2029). The sales show a significant upward trend, with a slight dip in 2025 followed by a sharp increase in 2026 and beyond.

Year	Energy Sales (MWh)
2019	671,692
2020	862,430
2021	1,057,989
2022	1,211,998
2023	1,249,815
2024	1,614,384
2025	1,775,823
2026	1,953,405
2027	2,406,595
2028	2,695,386
2029	3,018,833

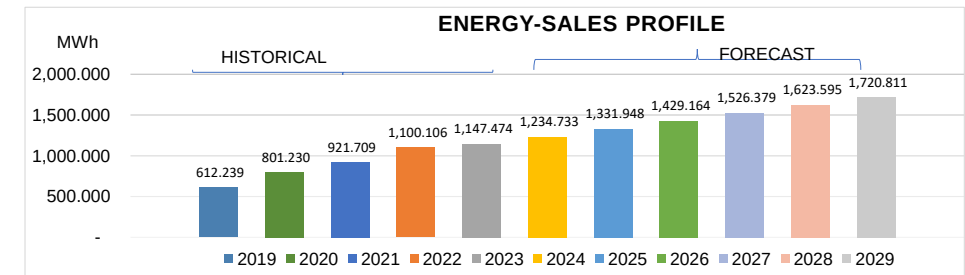
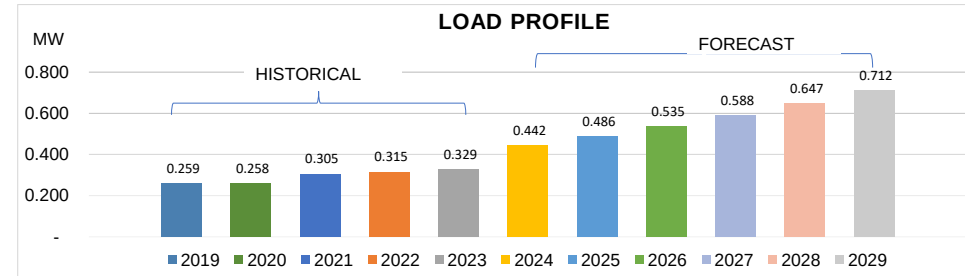
[illegible]



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MACONACON DPP
Name of Plant Head:	ALVIN S. UY
Address:	Brgy. Malasin, Maconacon, Isabela
Contact No.:	0918-695-2396
Email Address:	asuy@napocor.gov.ph
Distribution Utility:	ISELCO II
Number of Barangays:	22
Number of Households (2020 CENSUS):	2,416
Number of Energized Households	1,351
Percentage of Energization	56%



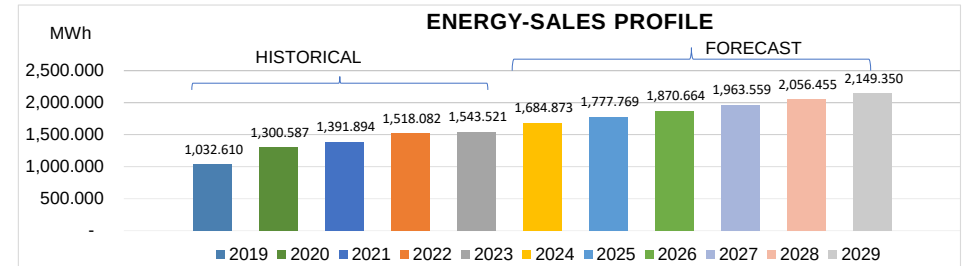
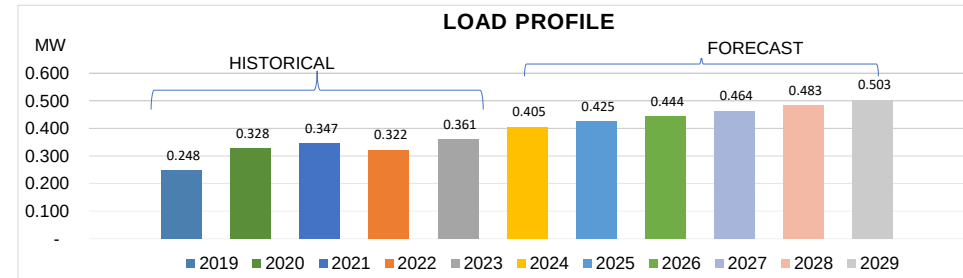
PARTICULAR/YEAR						FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.259	0.258	0.305	0.315	0.329	0.442	0.486	0.535	0.588	0.647	0.712
Existing Rated Capacity (MW)	0.600	0.600	0.600	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
Existing Dependable Capacity (MW)	0.400	0.400	0.560	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.600	0.600	0.600	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
Total Dependable Capacity (MW)	0.400	0.400	0.560	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160
Gross Reserve Capacity (MW)	0.141	0.142	0.255	0.845	0.831	0.718	0.674	0.625	0.572	0.513	0.448
Dependable Capacity of largest unit (MW)	0.160	0.160	0.210	0.300	0.300	0.300	0.500	0.500	0.500	0.500	0.500
Net Reserve Capacity (MW)	(0.019)	(0.018)	0.045	0.545	0.531	0.418	0.174	0.125	0.072	0.013	(0.052)
Solar PV (MWp)					-	-	-	0.370	-	-	-
BESS (MWh)					-	-	-	0.120	-	-	-
Energy Sales (MWh)	612.239	801.230	921.709	1,100.106	1,147.474	1,234.733	1,331.948	1,429.164	1,526.379	1,623.595	1,720.811
Gross Generation (MWh)	725.806	807.638	929.329	1,107.804	1,157.040	1,386.260	1,483.475	1,580.691	1,677.906	1,775.122	1,872.338
Operating Hours	16	16	16	16	16	24	24	24	24	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	KABUGAO DPP
Name of Plant Head:	JESUS J. MENDOZA
Address:	Hillside, Poblacion, Kabugao, Apayao
Contact No.:	0908-181-8685
Email Address:	jimendoza@napocor.gov.ph
Distribution Utility:	KALCO
Number of Barangays:	21
Number of Households (2020 CENSUS):	3,506
Number of Energized Households	1,550
Percentage of Energization	44%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.248	0.328	0.347	0.322	0.361	0.405	0.425	0.444	0.464	0.483	0.503
Existing Rated Capacity (MW)	0.723	0.723	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223
Existing Dependable Capacity (MW)	0.700	0.700	1.130	1.130	1.130	1.130	1.130	1.130	1.130	1.130	1.130
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.723	0.723	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223
Total Dependable Capacity (MW)	0.700	0.700	1.130	1.130	1.130	1.130	1.130	1.130	1.130	1.130	1.130
Gross Reserve Capacity (MW)	0.452	0.372	0.783	0.808	0.769	0.725	0.705	0.686	0.666	0.647	0.627
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.152	0.072	0.483	0.508	0.469	0.425	0.405	0.386	0.366	0.347	0.327
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWh)					-	-	-	-	-	-	-
Energy Sales (MWh)	1,032,610	1,300,587	1,391,894	1,518,082	1,543,521	1,684,873	1,777,769	1,870,664	1,963,559	2,056,455	2,149,350
Gross Generation (MWh)	1,076,528	1,347,825	1,410,459	1,525,122	1,553,378	1,703,438	1,796,334	1,889,229	1,982,124	2,075,020	2,167,915
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

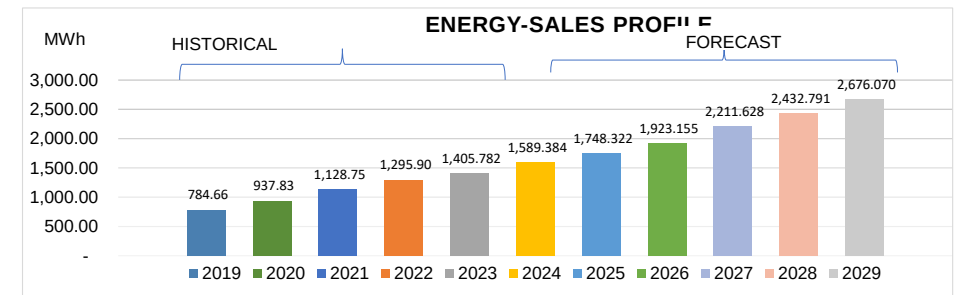
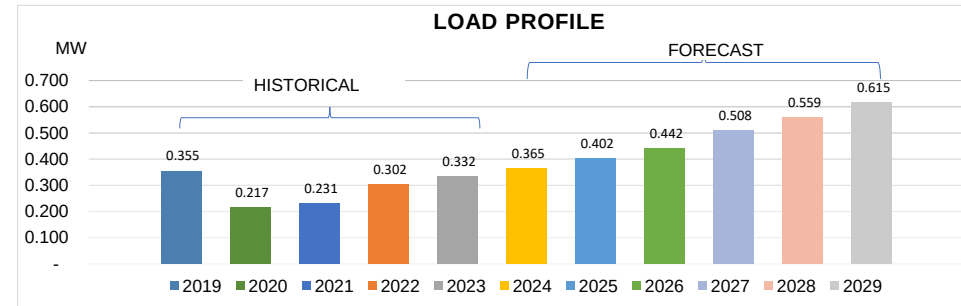
Note: KALCO Interconnection Program (Reference KALCO Board Resolution 202-65)



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	JOMALIG DPP
Name of Plant Head:	ROMEO D. DON
Address:	Brgy. Talisoy, Jomalig, Quezon Province
Contact No.:	0908-181-8754
Email Address:	rddon@napocor.gov.ph
Distribution Utility:	QUEZELCO II
Number of Barangays:	5
Number of Households (2020 CENSUS):	1,834
Number of Energized Households	1,323
Percentage of Energization	72%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.355	0.217	0.231	0.302	0.332	0.365	0.402	0.442	0.508	0.559	0.615
Existing Rated Capacity (MW)	0.720	0.720	1.120	1.320	1.320	1.320	1.320	1.320	1.320	1.320	1.320
Existing Dependable Capacity (MW)	0.700	0.700	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
Capacity Addition (MW)	-	-	-	-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)	-	-	-	-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)	-	-	-	-	-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.720	0.720	1.120	1.320	1.320	1.320	1.320	1.320	1.320	1.320	1.320
Total Dependable Capacity (MW)	0.700	0.700	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
Gross Reserve Capacity (MW)	0.345	0.483	0.869	0.798	0.768	0.735	0.698	0.658	0.592	0.541	0.485
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.045	0.183	0.569	0.498	0.468	0.435	0.398	0.358	0.292	0.241	0.185
Solar PV (MWp)	-	-	-	-	-	-	-	-	-	-	-
BESS (MWh)	-	-	-	-	-	-	-	-	-	-	-
Energy Sales (MWh)	784.66	937.83	1,128.75	1,295.90	1,405.782	1,589.384	1,748.322	1,923.155	2,211.628	2,432.791	2,676.070
Gross Generation (MWh)	806.52	953.20	1,144.64	1,312.96	1,468.569	1,615.426	1,776.968	1,954.665	2,247.865	2,472.652	2,719.917
Operating Hours	16	24	24	24	24	24	24	24	24	24	24

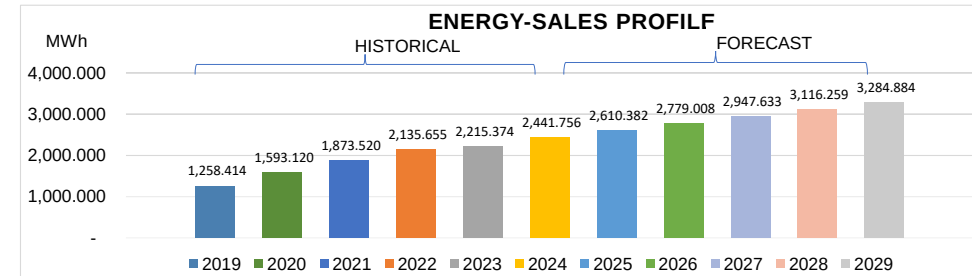
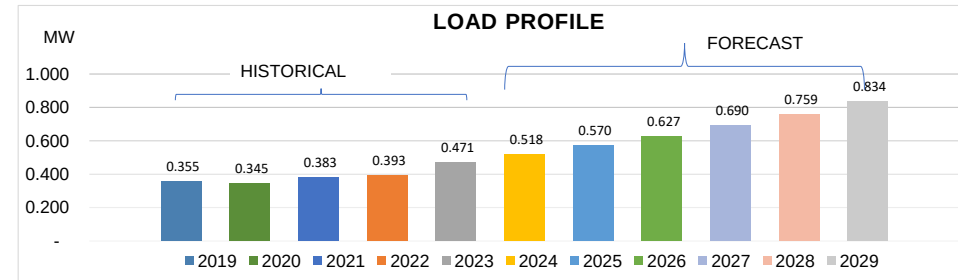
Note: With RE Service Contract. DOE awarded RE Service Contract to MASE Power Corporation



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PATNANUNGAN DPP
Name of Plant Head:	DOMINICO ANGELO H. DELICANO
Address:	Poblacion, Patnanungan, Quezon
Contact No.:	0921-832-5541
Email Address:	dahdelicano@napocor.gov.ph
Distribution Utility:	QUEZELCO II
Number of Barangays:	6
Number of Households (2020 CENSUS):	3,426
Number of Energized Households	1,783
Percentage of Energization	52%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.355	0.345	0.383	0.393	0.471	0.518	0.570	0.627	0.690	0.759	0.834
Existing Rated Capacity (MW)	0.983	0.983	1.883	1.973	1.973	1.973	1.973	1.973	1.973	1.973	1.973
Existing Dependable Capacity (MW)	0.870	0.870	1.770	1.770	1.770	1.780	1.780	1.780	1.780	1.780	1.780
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.983	0.983	1.883	1.973	1.973	1.973	1.973	1.973	1.973	1.973	1.973
Total Dependable Capacity (MW)	0.870	0.870	1.770	1.770	1.770	1.780	1.780	1.780	1.780	1.780	1.780
Gross Reserve Capacity (MW)	0.515	0.525	1.387	1.377	1.299	1.262	1.210	1.153	1.090	1.021	0.946
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.215	0.225	1.087	1.077	0.999	0.962	0.910	0.853	0.790	0.721	0.646
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWh)	1,258,414	1,593,120	1,873,520	2,135,655	2,215,374	2,441,756	2,610,382	2,779,008	2,947,633	3,116,259	3,284,884
Gross Generation (MWh)	1,311,023	1,618,293	1,906,178	2,162,829	2,287,584	2,505,357	2,673,983	2,842,608	3,011,234	3,179,860	3,348,485
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

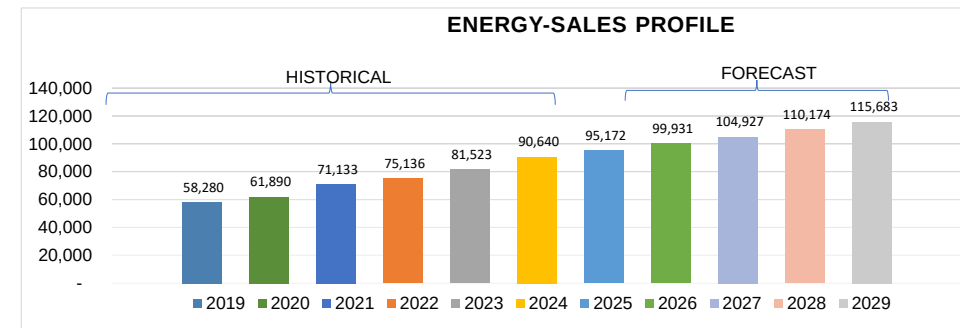
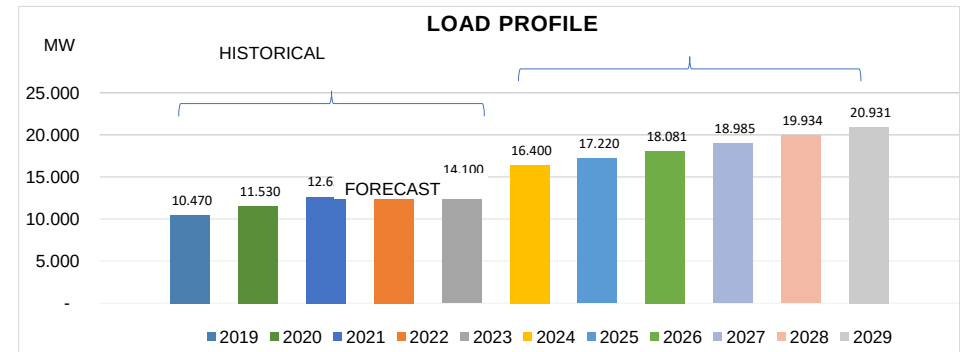
Note: With RE Service Contract. DOE awarded RE Service Contract to MASE Power Corporation



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MARINDUQUE GRID
Name of Plant Head:	NELSON M. MOLINA / REYMOND A. IBAY / OCTAVEN G. HERRERA
Address:	Brgy. Bantad, Boac, Marinduque / Balanacan, Mogpog, Marinduque / Brgy. Cagpo, Torrijos, Marinduque
Contact No.:	0908-181-8687 / 0921-832-5445 0908-181-8766 / 0908-181-8683
Email Address:	nmmolina@napocor.gov.ph / raibay@yahoo.com.ph / gherrera@napocor.gov.ph
Distribution Utility:	MWh MARELCO
Number of Barangays:	217
Number of Households (2020 CENSUS):	60,218
Number of Energized Households	68,661
Percentage of Electrification	114%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	10.470	11.530	12.620	13.090	14.100	16.400	17.220	18.081	18.985	19.934	20.931
Existing Rated Capacity (MW)	14.698	18.898	18.898	19.670	19.670	21.770	23.570	23.570	23.570	23.570	23.570
Existing Dependable Capacity (MW)	8.550	12.300	12.300	15.150	13.200	13.490	12.800	12.800	12.800	12.800	12.800
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)	5.500	5.500	5.500	4.000	4.000	6.000	10.000	10.000	10.000	11.000	11.000
Boac	4.000	4.000	4.000	4.000	4.000	6.000	7.000	7.000	7.000	7.000	7.000
Torrijos	1.500	1.500	1.500				3.000	3.000	3.000	4.000	4.000
Total Installed Capacity (MW)	20.198	24.398	24.398	23.670	23.670	27.770	33.570	33.570	33.570	34.570	34.570
Total Dependable Capacity (MW)	14.050	17.800	17.800	19.150	17.200	19.490	22.800	22.800	22.800	23.800	23.800
Gross Reserve Capacity (MW)	3.580	6.270	5.180	6.060	3.100	3.090	5.580	4.719	3.815	3.866	2.869
Dependable Capacity of largest unit (MW)	1.000	1.000	1.000	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Net Reserve Capacity (MW)	2.580	5.270	4.180	4.560	1.600	1.590	4.080	3.219	2.315	2.366	1.369
Solar PV (MWh)											
BESS (MWh)											
Energy Sales (MWh)	58,280	61,890	71,133	75,136	81,523	90,640	95,172	99,931	104,927	110,174	115,683
Gross Generation (MWh)	61,693	63,440	72,460	76,847	83,795	92,428	97,049	101,901	106,996	112,346	117,964
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

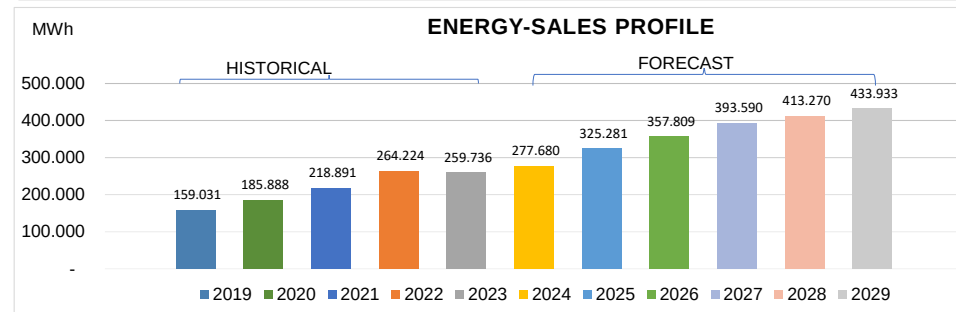
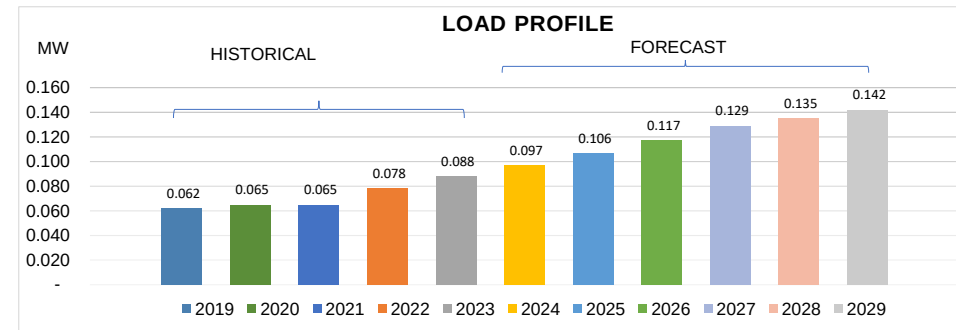
Note: The Marinduque Island will be interconnected to Luzon Grid by 2029 (ERC No. 2021-049 RC)



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MONGPONG DPP
Name of Plant Head:	BENECITO A. ABELLANA
Address:	Brgy. Mongpong, Sta. Cruz, Marinduque
Contact No.:	0920-421-9123 0919-654-5681
Email Address:	baabellana@napocor.gov.ph
Distribution Utility:	MARELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	339
Number of Energized Households	332
Percentage of Energization	98%



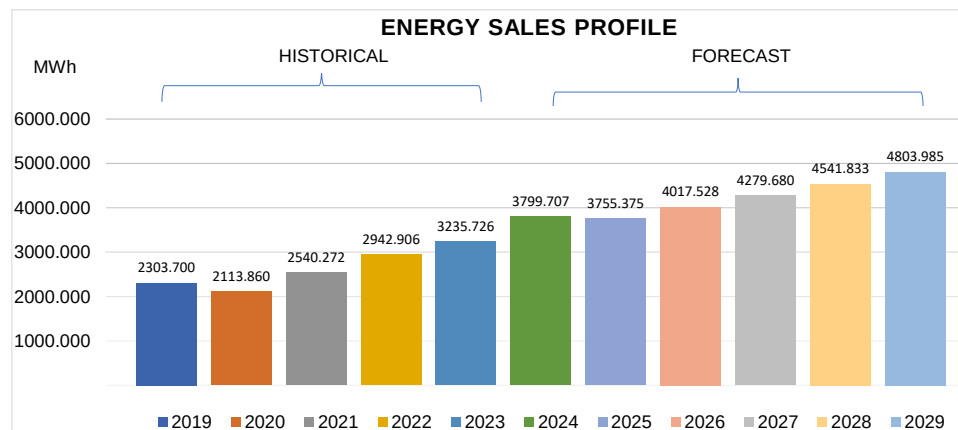
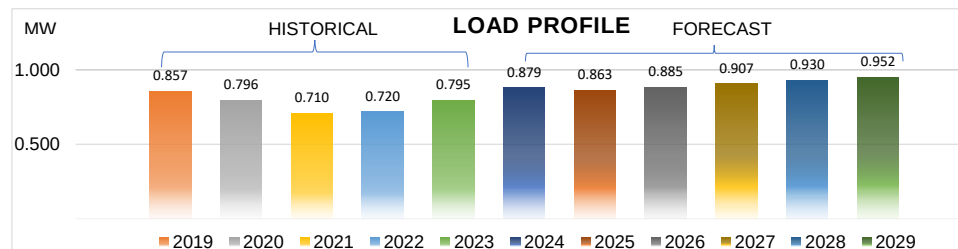
PARTICULAR/YEAR						FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.062	0.065	0.065	0.078	0.088	0.097	0.106	0.117	0.129	0.135	0.142
Existing Rated Capacity (MW)	0.264	0.264	0.264	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477
Existing Dependable Capacity (MW)	0.258	0.258	0.258	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.264	0.264	0.264	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477
Total Dependable Capacity (MW)	0.258	0.258	0.258	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Gross Reserve Capacity (MW)	0.196	0.193	0.193	0.322	0.312	0.303	0.294	0.283	0.271	0.265	0.258
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.116	0.113	0.113	0.242	0.232	0.223	0.214	0.203	0.191	0.185	0.178
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWh)	159,031	185,888	218,891	264,224	259,736	277,680	325,281	357,809	393,590	413,270	433,933
Gross Generation (MWh)	164,215	187,067	220,990	265,188	264,921	291,413	326,468	359,114	395,026	414,777	435,516
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note; Plan for Intra-connection to Marinduque Grid. Awaiting NEA Approval.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TINGLOY DPP
Name of Plant Head:	HILARIO S. AÑO
Address:	Brgy. Gamao, Tingloy, Batangas
Contact No.:	0908-562-4236
Email Address:	hsano@napocor.gov.ph
Distribution Utility:	BATELEC II
Number of Barangays:	15
Number of Households (2020 CENSUS)	5103
Number of Energized Households	3220
Percentage of Energization	63%



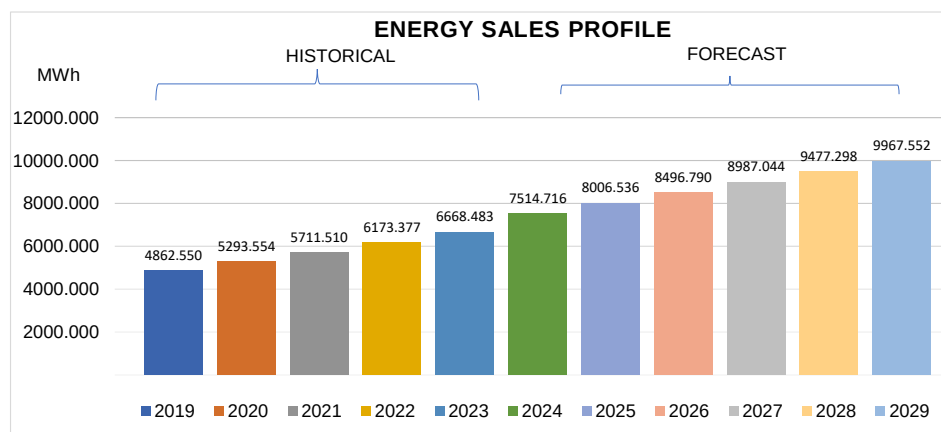
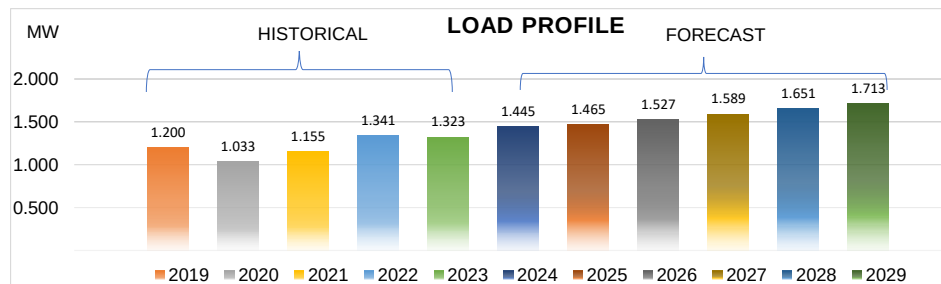
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.857	0.796	0.710	0.720	0.795	0.879	0.863	0.885	0.907	0.930	0.952
Existing Rated Capacity (MW)	1.960	1.960	1.960	2.260	2.860	2.860	2.860	2.860	2.860	2.860	2.860
Existing Dependable Capacity (MW)	1.480	1.300	1.300	1.650	1.388	1.765	1.560	1.560	1.560	1.560	1.560
Capacity Addition (MW)			0.600								
Dependable Capacity of Add. unit (MW)			0.600								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.960	1.960	2.560	2.260	2.860	2.860	2.860	2.860	2.860	2.860	2.860
Total Dependable Capacity (MW)	1.480	1.300	1.900	1.650	1.388	1.560	1.560	1.560	1.560	1.560	1.560
Gross Reserve Capacity (MW)	0.623	0.504	1.190	0.930	0.593	0.681	0.697	0.675	0.653	0.630	0.608
Dependable Capacity of largest unit (MW)	0.550	0.450	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	0.073	0.054	0.590	0.330	-0.007	0.081	0.097	0.075	0.053	0.030	0.008
Solar PV (MWp)								1.000			
BESS (MWh)								0.300			
Energy Sales (MWH)	2303.700	2113.860	2540.272	2942.906	3235.726	3799.707	3755.375	4017.528	4279.680	4541.833	4803.985
Gross Generation (MWH)	2402.009	2239.589	2641.858	3129.780	3358.667	3902.899	3780.986	4043.138	4305.291	4567.443	4829.595
Operating Hours	16	16	24	24	24	24	24	24	24	24	24

Note: Units 1 & 3 - deactivated, recommended for decommission



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LUBANG DPP
Name of Plant Head:	CRISANTO L. CASTASUS
Address:	Brgy. Maliig, Lubang, Occidental
Contact No.:	0908-553-9634
Email Address:	clcastasus@napocor.gov.ph
Distribution Utility:	LUBELCO
Number of Barangays:	21
Number of Households (2020 CENSUS)	5496
Number of Energized Households	8173
Percentage of Energization	149%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	1.200	1.033	1.155	1.341	1.323	1.445	1.465	1.527	1.589	1.651	1.713
Existing Rated Capacity (MW)	2.974	2.974	2.974	4.104	4.200	4.200	4.200	4.200	4.200	4.200	4.200
Existing Dependable Capacity (MW)	1.425	1.850	1.850	2.900	3.350	3.050	3.450	3.450	3.450	3.450	3.450
Capacity Addition (MW)			2.100								
Dependable Capacity of Add. unit (MW)			1.800								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	2.974	2.974	5.074	4.104	4.200	4.200	4.200	4.200	4.200	4.200	4.200
Total Dependable Capacity (MW)	1.425	1.850	3.650	2.900	3.350	3.450	3.450	3.450	3.450	3.450	3.450
Gross Reserve Capacity (MW)	0.225	0.817	2.495	1.559	2.027	2.005	1.985	1.923	1.861	1.799	1.737
Dependable Capacity of largest unit (MW)	0.600	0.500	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	-0.375	0.317	1.895	0.959	1.427	1.405	1.385	1.323	1.261	1.199	1.137
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	4862.550	5293.554	5711.510	6173.377	6668.483	7514.716	8006.536	8496.790	8987.044	9477.298	9967.552
Gross Generation (MWH)	5146.487	5553.286	5984.567	6365.834	6884.257	7678.551	8151.779	8642.033	9132.287	9622.541	10112.795
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

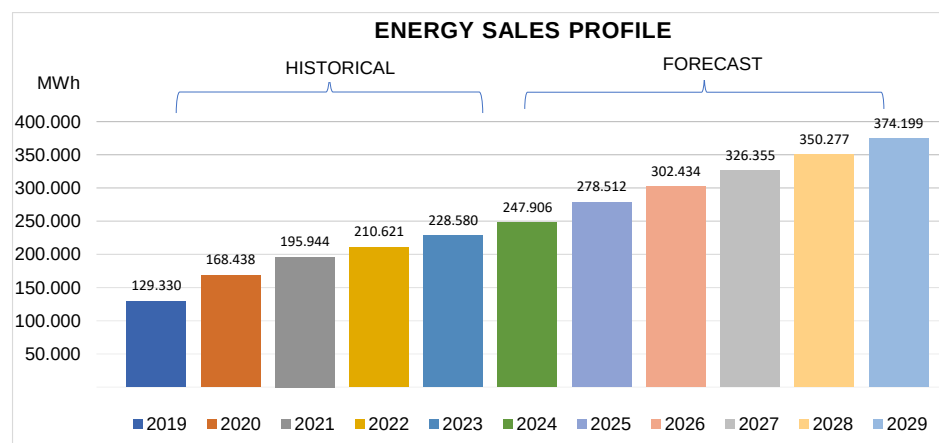
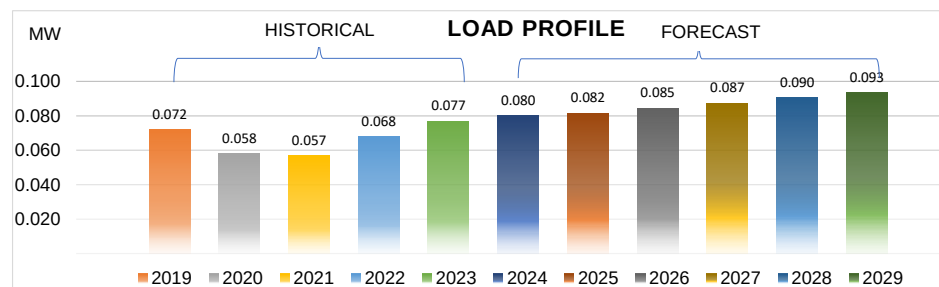
Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE

Unit 3 - Non operational; Target date of restoration on 30 June 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CABRA DPP
Name of Plant Head:	CRISANTO L. CASTASUS
Address:	Brgy. Cabra, Lubang, Occidental
Contact No.:	0908-553-9634
Email Address:	clcastasus@napocor.gov.ph
Distribution Utility:	LUBELCO
Number of Barangays:	1
Number of Households (2020 CENSUS)	370
Number of Energized Households	500
Percentage of Energization	135%



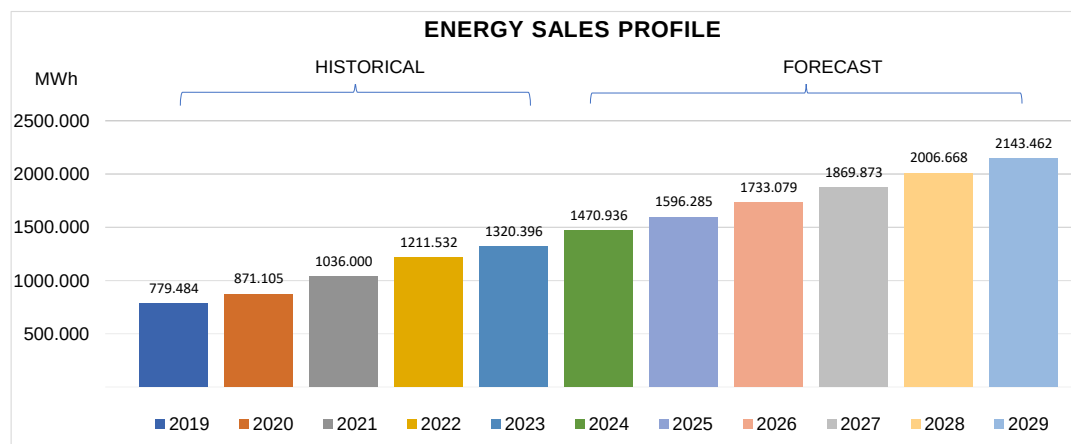
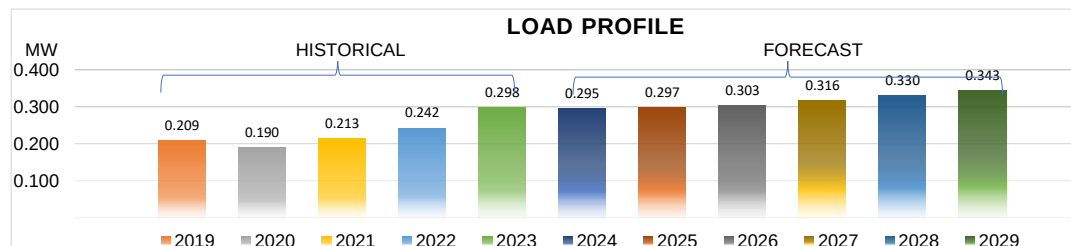
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.072	0.058	0.057	0.068	0.077	0.080	0.082	0.085	0.087	0.090	0.093
Existing Rated Capacity (MW)	0.260	0.260	0.260	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Existing Dependable Capacity (MW)	0.230	0.230	0.230	0.230	0.230	0.190	0.135	0.135	0.135	0.135	0.135
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.260	0.260	0.260	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Total Dependable Capacity (MW)	0.230	0.230	0.230	0.230	0.230	0.135	0.135	0.135	0.135	0.135	0.135
Gross Reserve Capacity (MW)	0.158	0.172	0.173	0.162	0.153	0.055	0.053	0.050	0.048	0.045	0.042
Dependable Capacity of largest unit (MW)	0.055	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.103	0.092	0.093	0.082	0.073	-0.025	-0.027	-0.030	-0.032	-0.035	-0.038
Solar PV (MWp)								0.065			
BESS (MWh)								0.030			
Energy Sales (MWh)	129,330	168,438	195,944	210,621	228,580	247,906	278,512	302,434	326,355	350,277	374,199
Gross Generation (MWh)	132,544	173,018	202,180	216,565	236,315	254,803	285,762	309,684	333,605	357,527	381,449
Operating Hours	16	24	24	24	24	24	24	24	24	24	24

Note: Units 1 Non Operational due to the conducted preventive maintenance activities
Units 3 Non Operational due to damaged engine parts.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BANTON DPP
Name of Plant Head:	EUGENE WILLY G. FRANCISCO
Address:	Brgy. Hambian, Banton, Romblon
Contact No.:	0918-524-9199
Email Address:	ewgfrancisco@napocor.gov.ph
Distribution Utility:	ROMELCO
Number of Barangays:	17
Number of Households (2020 CENSUS)	1495
Number of Energized Households	1999
Percentage of Energization	134%



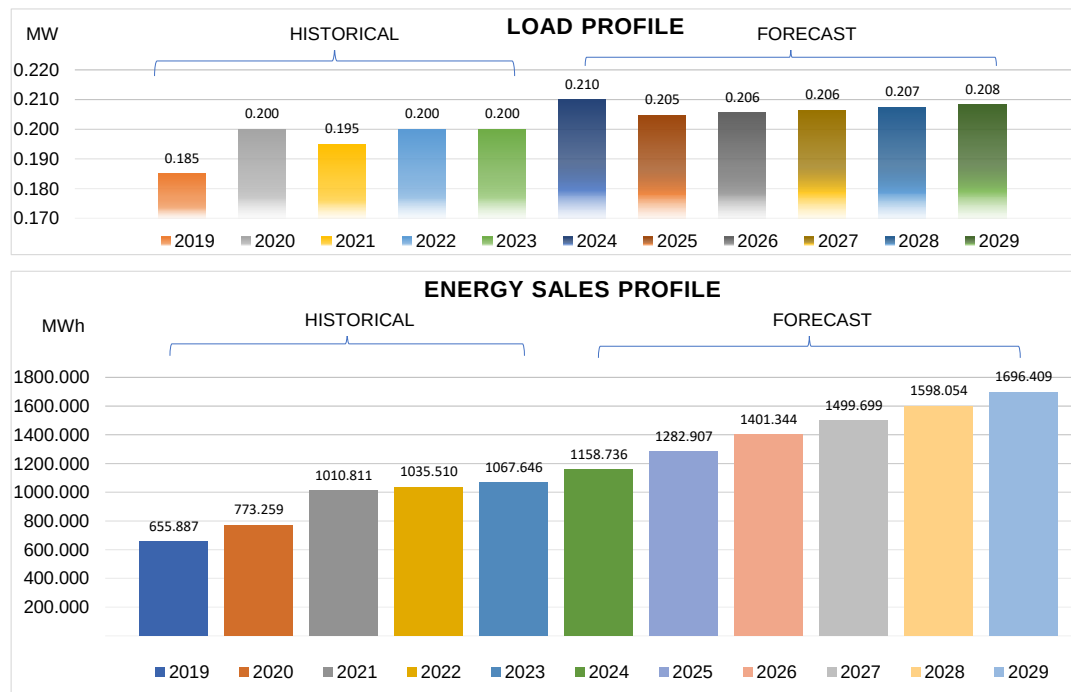
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.209	0.190	0.213	0.242	0.298	0.295	0.297	0.303	0.316	0.330	0.343
Existing Rated Capacity (MW)	0.626	0.626	0.626	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126
Existing Dependable Capacity (MW)	0.560	0.560	0.560	1.060	1.000	1.000	0.700	0.700	0.700	0.700	0.700
Capacity Addition (MW)			0.500								
Dependable Capacity of Add. unit (MW)			0.500								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.626	0.626	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126
Total Dependable Capacity (MW)	0.560	0.560	1.060	1.060	1.000	0.700	0.700	0.700	0.700	0.700	0.700
Gross Reserve Capacity (MW)	0.351	0.370	0.847	0.818	0.702	0.405	0.403	0.397	0.384	0.370	0.357
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.051	0.070	0.547	0.518	0.402	0.105	0.103	0.097	0.084	0.070	0.057
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	779.484	871.105	1036.000	1211.532	1320.396	1470.936	1596.285	1733.079	1869.873	2006.668	2143.462
Gross Generation (MWH)	822.904	924.662	1082.180	1264.094	1727.904	1674.771	1625.576	1762.370	1899.164	2035.958	2172.753
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Unit 6 Non-Operational due to a damaged crankshaft, cam follower, connecting rod bearing, and main bearings.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CONCEPCION DPP
Name of Plant Head:	RICO LAZARO B. DILAY (OIC)
Address:	Brgy. Poblacion, Concepcion,
Contact No.:	0939-923-9985
Email Address:	rlbdilay@napocor.gov.ph
Distribution Utility:	ROMELCO
Number of Barangays:	15
Number of Households (2020 CENSUS)	1054
Number of Energized Households	1233
Percentage of Energization	117%



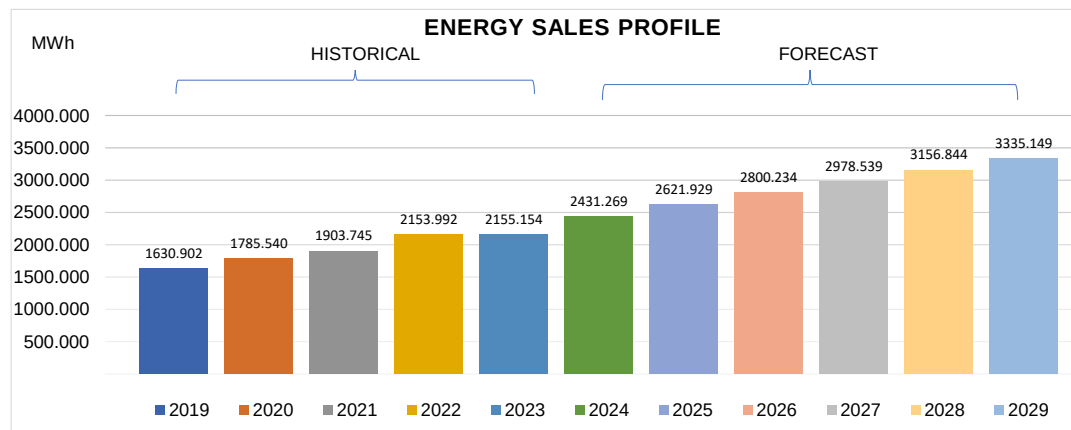
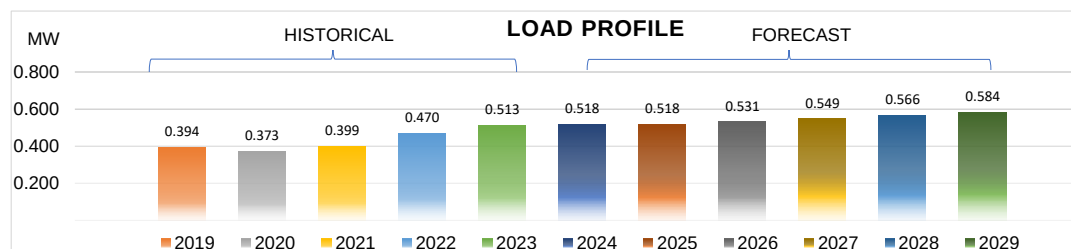
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.185	0.200	0.195	0.200	0.200	0.210	0.205	0.206	0.206	0.207	0.208
Existing Rated Capacity (MW)	0.626	1.226	1.226	1.226	0.926	0.926	0.926	0.926	0.926	0.926	0.926
Existing Dependable Capacity (MW)	0.590	1.190	1.190	1.190	0.890	0.890	0.745	0.745	0.745	0.745	0.745
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.626	1.226	1.226	1.226	0.926	0.926	0.926	0.926	0.926	0.926	0.926
Total Dependable Capacity (MW)	0.590	1.190	1.190	1.190	0.890	0.745	0.745	0.745	0.745	0.745	0.745
Gross Reserve Capacity (MW)	0.405	0.990	0.995	0.990	0.690	0.535	0.540	0.539	0.539	0.538	0.537
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.105	0.690	0.695	0.690	0.390	0.235	0.240	0.239	0.239	0.238	0.237
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	655.887	773.259	1010.811	1035.510	1067.646	1158.736	1282.907	1401.344	1499.699	1598.054	1696.409
Gross Generation (MWH)	691.898	819.346	1091.458	1114.261	1129.218	1221.791	1315.803	1434.240	1532.595	1630.951	1729.306
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Unit 1 Non operational due to a burnt stator winding, which has rendered the unit unable to initiate the startup procedure



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CORCUERA DPP
Name of Plant Head:	ALVIN M. MANZO (ACTING)
Address:	Brgy. San Agustin, Corcuera,
Contact No.:	0946-366-7011
Email Address:	ammanzo@napocor.gov.ph
Distribution Utility:	ROMELCO
Number of Barangays:	15
Number of Households (2020 CENSUS)	2511
Number of Energized Households	2755
Percentage of Energization	110%



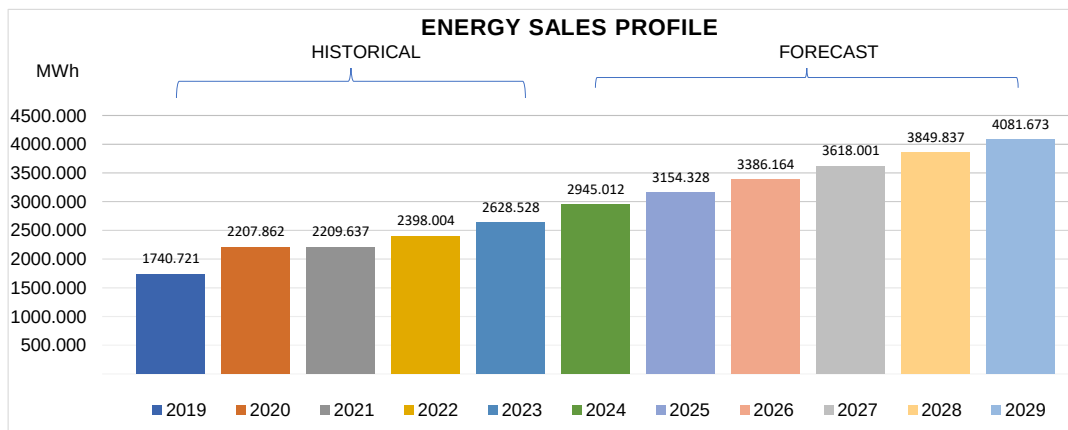
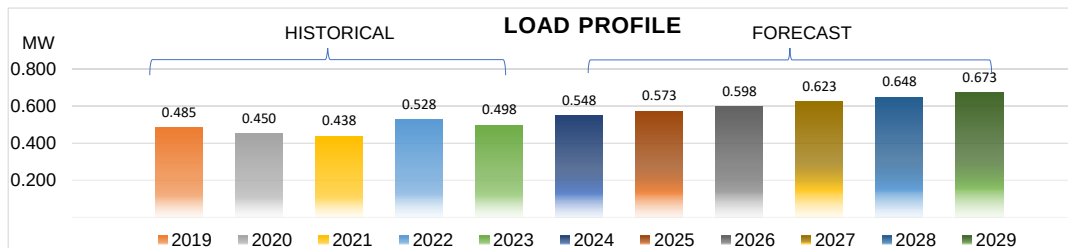
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.394	0.373	0.399	0.470	0.513	0.518	0.518	0.531	0.549	0.566	0.584
Existing Rated Capacity (MW)	0.963	0.963	0.963	1.063	1.363	1.363	1.863	1.863	1.863	1.863	1.863
Existing Dependable Capacity (MW)	0.725	0.805	0.600	0.980	1.085	0.665	0.710	0.710	0.710	0.710	0.710
Capacity Addition (MW)			0.600								
Dependable Capacity of Add. unit (MW)			0.600								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.963	0.963	1.563	1.063	1.363	1.863	1.863	1.863	1.863	1.863	1.863
Total Dependable Capacity (MW)	0.725	0.805	1.200	0.980	1.085	0.710	0.710	0.710	0.710	0.710	0.710
Gross Reserve Capacity (MW)	0.331	0.432	0.801	0.510	0.572	0.192	0.192	0.179	0.161	0.144	0.126
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.031	0.132	0.501	0.210	0.272	-0.108	-0.108	-0.121	-0.139	-0.156	-0.174
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	1630.902	1785.540	1903.745	2153.992	2155.154	2431.269	2621.929	2800.234	2978.539	3156.844	3335.149
Gross Generation (MWH)	1791.924	1900.181	1999.623	2198.232	2199.669	2482.886	2646.145	2824.450	3002.755	3181.060	3359.365
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Units 5,6,7 Non Operational. Unit 9 0.500MW transferred from Concepcion DPP
Incoming Transfer of 0.500MW Genset from Polilio DPP



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN JOSE DPP
Name of Plant Head:	JULIUS CAESAR W. BAUSON
Address:	Brgy. Poblacion, San Jose, Romblon
Contact No.:	0908-181-8831
Email Address:	jcwbauson@napocor.gov.ph
Distribution Utility:	TIELCO
Number of Barangays:	5
Number of Households (2020 CENSUS)	2832
Number of Energized Households	2580
Percentage of Energization	91%



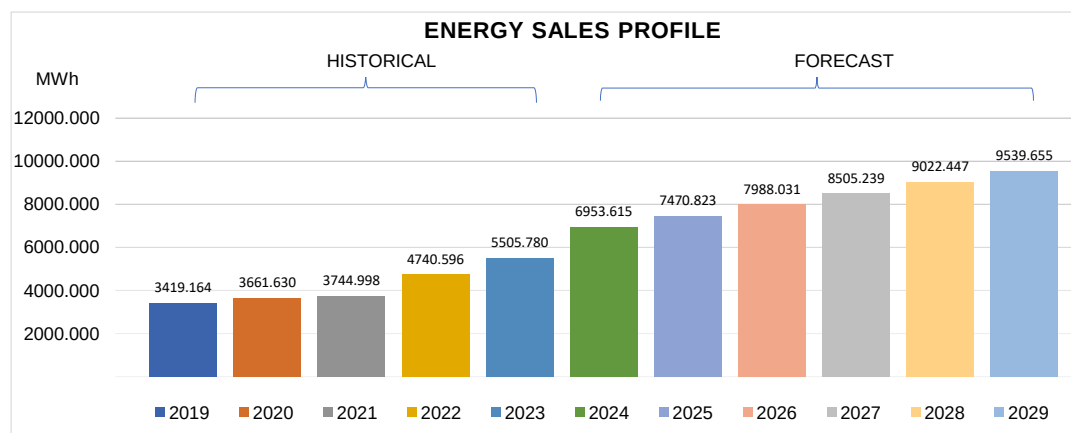
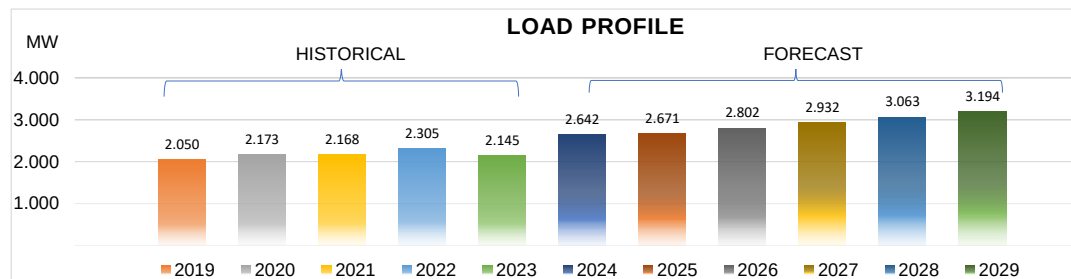
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.485	0.450	0.438	0.528	0.498	0.548	0.573	0.598	0.623	0.648	0.673
Existing Rated Capacity (MW)	0.626	1.226	1.226	1.226	1.636	1.636	1.636	1.636	1.636	1.636	1.636
Existing Dependable Capacity (MW)	0.500	1.150	1.040	1.150	1.295	1.325	1.425	1.425	1.425	1.425	1.425
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.526	1.226	1.226	1.226	1.636	1.636	1.636	1.636	1.636	1.636	1.636
Total Dependable Capacity (MW)	1.400	1.150	1.040	1.150	1.295	1.425	1.425	1.425	1.425	1.425	1.425
Gross Reserve Capacity (MW)	0.915	0.700	0.602	0.622	0.797	0.877	0.852	0.827	0.802	0.777	0.752
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.615	0.400	0.302	0.322	0.497	0.577	0.552	0.527	0.502	0.477	0.452
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	1740.721	2207.862	2209.637	2398.004	2628.528	2945.012	3154.328	3386.164	3618.001	3849.837	4081.673
Gross Generation (MWH)	1783.224	2227.670	2244.905	2440.149	2672.412	2974.032	3168.946	3400.783	3632.619	3864.455	4096.292
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: ERC Case No. 2023-039 dismissed the joint application for the PSA of TIELCO and STEC.

Ongoing renewable of PSA

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SIBUYAN DPP
Name of Plant Head:	CALIXTO F. AÑONUEVO, JR.
Address:	Brgy. Poblacion, San Fernando,
Contact No.:	0928-839-1763
Email Address:	cfanonuevo@napocor.gov.ph
Distribution Utility:	ROMELCO
Number of Barangays:	35
Number of Households (2020 CENSUS)	5898
Number of Energized Households	5098
Percentage of Energization	86%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	2.050	2.173	2.168	2.305	2.145	2.642	2.671	2.802	2.932	3.063	3.194
Existing Rated Capacity (MW)	2.963	2.963	2.963	2.963	2.963	4.083	4.083	4.083	4.083	4.083	4.083
Existing Dependable Capacity (MW)	2.580	2.030	1.870	2.440	1.750	3.140	3.140	3.140	3.140	3.140	3.140
Cantingas HPP (MW)	0.900	0.900	0.900	0.900	0.900	1.350	1.350	1.350	1.350	1.350	1.350
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)					1.000	1.000	1.000	1.000	1.000	1.000	1.000
Total Installed Capacity (MW)	3.863	3.863	3.863	3.863	4.863	6.433	6.433	6.433	6.433	6.433	6.433
Total Dependable Capacity (MW)	3.480	2.930	2.770	3.340	3.650	5.490	5.490	5.490	5.490	5.490	5.490
Gross Reserve Capacity (MW)	1.430	0.757	0.602	1.035	1.505	2.848	2.819	2.688	2.558	2.427	2.296
Dependable Capacity of largest unit (MW)	0.550	0.550	0.550	0.550	0.550	0.550	0.550	0.550	0.550	0.550	0.550
Net Reserve Capacity (MW)	0.880	0.207	0.052	0.485	0.955	2.298	2.269	2.138	2.008	1.877	1.746
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	3419.164	3661.630	3744.998	4740.596	5505.780	6953.615	7470.823	7988.031	8505.239	9022.447	9539.655
Gross Generation (MWH)	3564.446	3795.744	3861.874	4905.371	5660.910	7163.304	7624.807	8142.015	8659.223	9176.430	9693.638
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

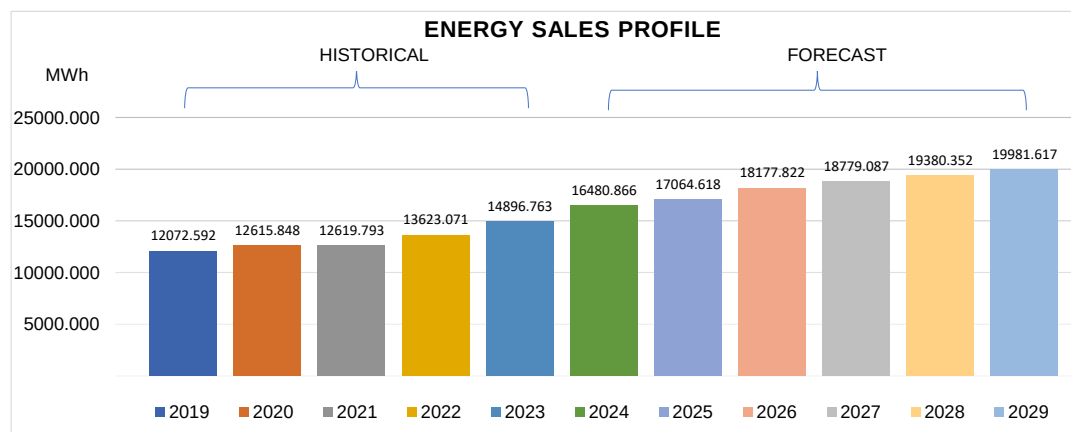
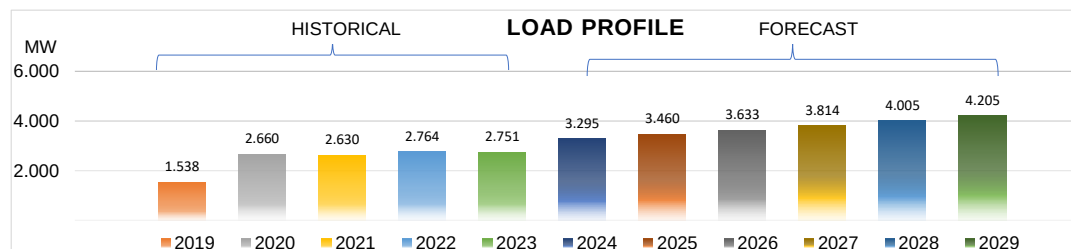
Note: Cantingas Hydropower Plant capacity is included in the rated capacity

DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ROMBLON GRID
Name of Plant Head:	RICKY M. UMBAN
Address:	Brgy. Capaclan, Romblon, Romblon
Contact No.:	0908-181-8702
Email Address:	rmumban@yahoo.com.ph
Distribution Utility:	ROMELCO
Number of Barangays:	30
Number of Households (2020 CENSUS)	10406
Number of Energized Households	11204
Percentage of Energization	108%



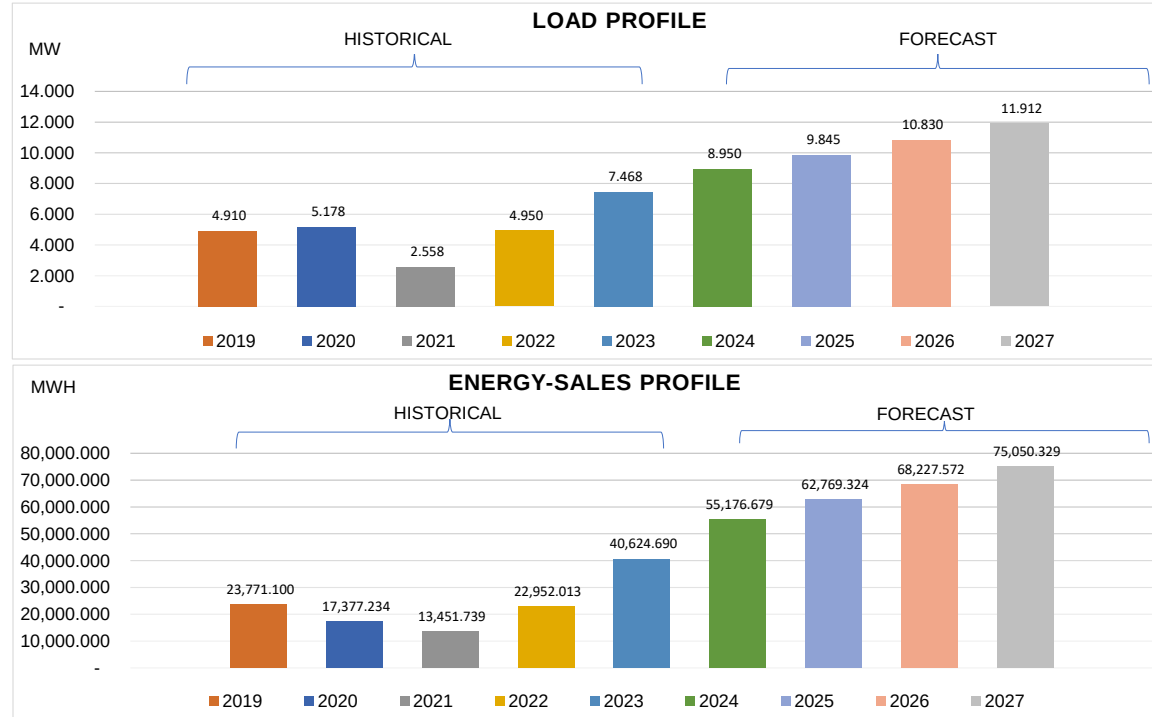
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	1.538	2.660	2.630	2.764	2.751	3.295	3.460	3.633	3.814	4.005	4.205
Existing Rated Capacity (MW)	6.480	10.250	13.800	15.675	15.675	15.675	15.675	15.675	15.675	15.675	15.675
Existing Dependable Capacity (MW)	4.300	6.200	6.050	9.050	10.005	9.450	8.350	8.350	8.350	8.350	8.350
Capacity Addition (MW)			1.800								
Dependable Capacity of Add. unit (MW)			1.670								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	6.480	10.250	15.600	15.675	15.675	15.675	15.675	15.675	15.675	15.675	15.675
Total Dependable Capacity (MW)	4.300	6.200	7.720	9.050	10.005	8.350	8.350	8.350	8.350	8.350	8.350
Gross Reserve Capacity (MW)	2.762	3.540	5.090	6.286	7.254	5.055	4.890	4.717	4.536	4.345	4.145
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	2.162	2.940	4.490	5.686	6.654	4.455	4.290	4.117	3.936	3.745	3.545
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	12072.592	12615.848	12619.793	13623.071	14896.763	16480.866	17064.618	18177.822	18779.087	19380.352	19981.617
Gross Generation (MWH)	12631.117	13788.736	13539.590	14494.590	15810.622	17540.470	18061.761	19270.944	19968.188	20665.433	21362.678
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	EL NIDO DPP
Name of Plant Head:	JORGE T. VALLEDOR
Address:	Km. 269, Brgy. Maligaya, El Nido, Palawan
Contact No.:	0921-826-7080 0908-181-8773
Email Address:	jvalledor@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	18
Number of Households (2020 CENSUS):	12,632
Number of Energized Households	7,349
Percentage of Energization	58%



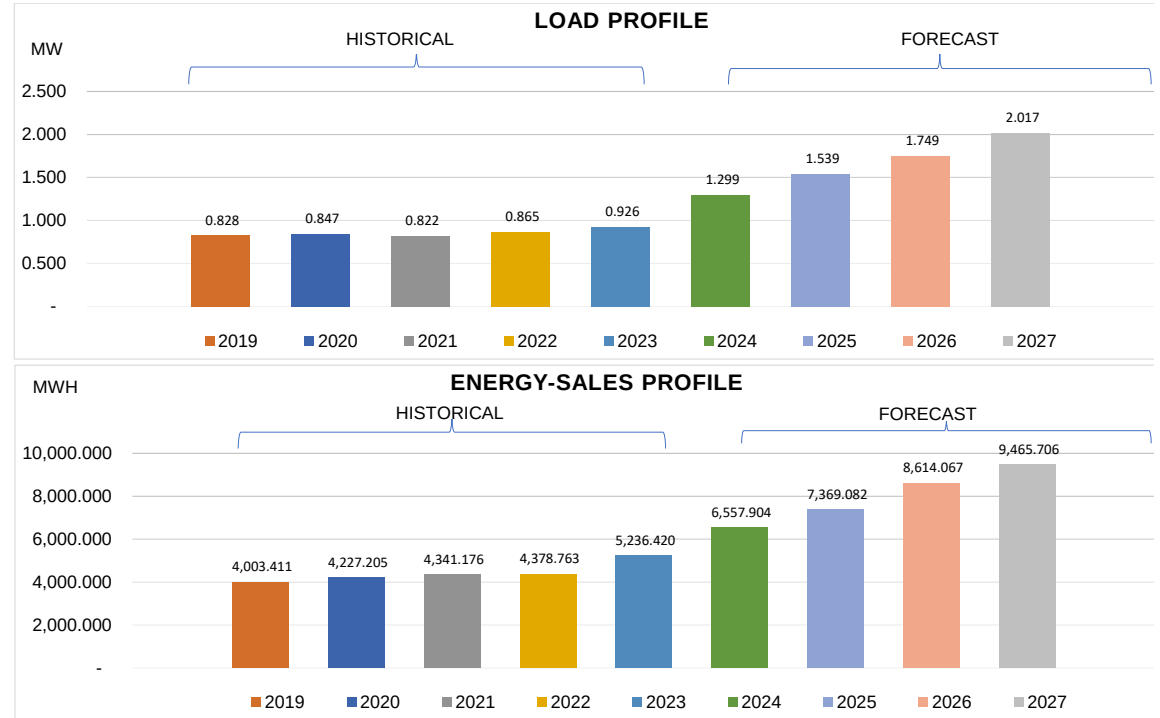
PARTICULAR/YEAR	HISTORICAL					FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
Peak Demand (MW)	4.910	5.178	2.558	4.950	7.468	8.950	9.845	10.830	11.912
Existing Rated Capacity (MW)	2.375	2.375	1.175	1.175	1.175	1.175	1.175	1.175	1.175
Existing Dependable Capacity (MW)	2.100	2.100	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Capacity Addition Diesel Genset (MW)					-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-
Diesel Genset Rental (MW)	4.000	4.000	3.000	6.000	8.000	9.000	11.000	12.000	12.000
Total Installed Capacity (MW)	6.375	6.375	4.175	7.175	9.175	10.175	12.175	13.175	13.175
Total Dependable Capacity (MW)	6.100	6.100	3.950	6.950	8.950	9.950	11.950	12.950	12.950
Gross Reserve Capacity (MW)	1.190	0.922	1.392	2.000	1.482	1.000	2.105	2.121	1.038
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	0.140	(0.728)	0.792	1.400	0.882	0.400	1.505	1.521	0.438
Solar PV (MWp)					-	-	-	-	-
BESS (MWH)					-	-	-	-	-
Energy Sales (MWH)	23,771.100	17,377.234	13,451.739	22,952.013	40,624.690	55,176.679	62,769.324	68,227.572	75,050.329
Gross Generation (MWH)	24,256.000	17,972.441	13,897.664	23,396.679	41,276.210	55,872.570	63,509.586	69,012.204	75,913.424
Operating Hours	24	24	24	24	24	24	24	24	24

Notes: For takeover of NPP (Source: PALECO PSPP 2023), Spare capacity of rental unit not included



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN VICENTE DPP, PAL
Name of Plant Head:	CHARLES S. DAMALERIO
Address:	Brgy. New Agutaya, San Vicente, Palawan
Contact No.:	0908-181-8795
Email Address:	csdamalerio@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	9
Number of Households (2020 CENSUS):	6,664
Number of Energized Households	4,973
Percentage of Energization	75%



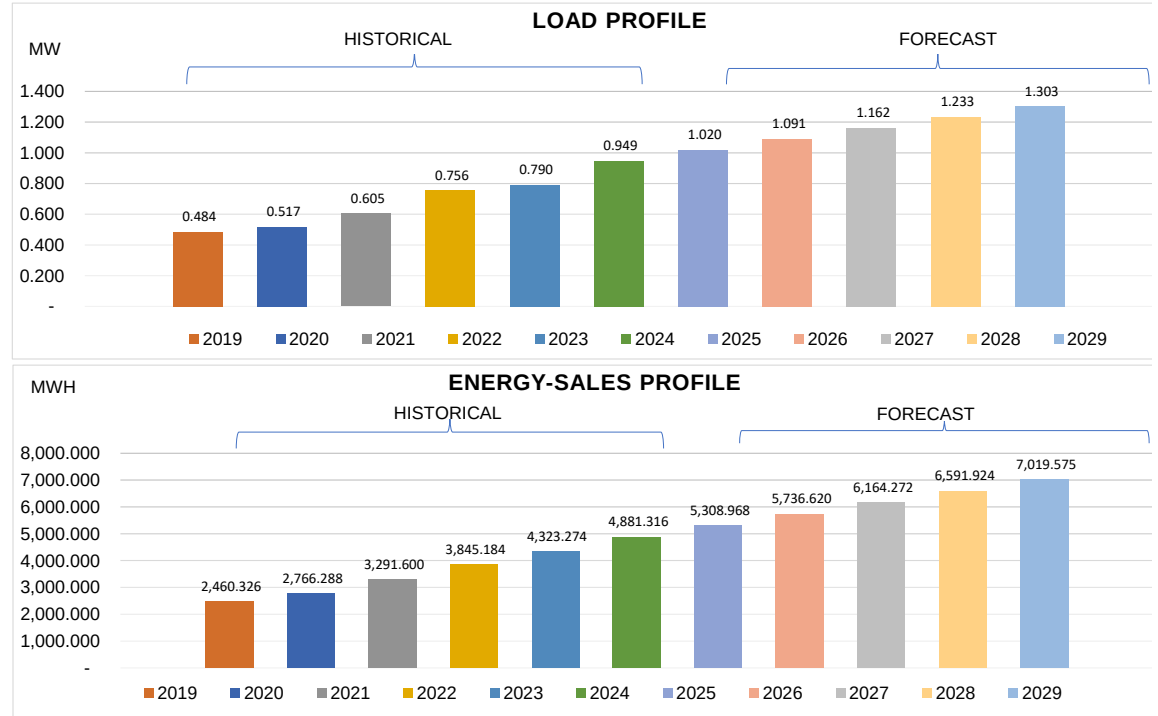
PARTICULAR/YEAR	HISTORICAL					FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
Peak Demand (MW)	0.828	0.847	0.822	0.865	0.926	1.299	1.539	1.749	2.017
Existing Rated Capacity (MW)	1.700	2.900	2.900	2.300	2.300	2.300	2.300	2.300	2.300
Existing Dependable Capacity (MW)	1.500	1.800	2.100	2.100	2.100	2.100	2.100	2.100	2.100
Capacity Addition (MW)					-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-
Diesel Genset Rental (MW)					1.000	1.000	1.000	1.000	1.000
Total Installed Capacity (MW)	1.700	2.900	2.300	2.300	3.300	3.300	3.300	3.300	3.300
Total Dependable Capacity (MW)	1.500	1.800	2.100	2.100	3.100	3.100	3.100	3.100	3.100
Gross Reserve Capacity (MW)	0.772	0.953	1.278	1.235	2.174	1.801	1.561	1.351	1.083
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	0.172	0.353	0.678	0.635	1.574	1.201	0.961	0.751	0.483
Solar PV (MWp)					-	-	-	-	-
BESS (MWH)					-	-	-	-	-
Energy Sales (MWH)	4,003.411	4,227.205	4,341.176	4,378.763	5,236.420	6,557.904	7,369.082	8,614.067	9,465.706
Gross Generation (MWH)	4,121.105	4,383.387	4,418.873	4,465.193	5,379.069	6,739.183	7,552.895	8,800.414	9,654.586
Operating Hours	24	24	24	24	24	24	24	24	24

Note: For takeover of NPP (Source: PALECO PSPP), Spare capacity of rental unit not included



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	RIZAL DPP
Name of Plant Head:	ALBERTO U. DALONOS JR.
Address:	Brgy.Punta Baja, Rizal, Palawan
Contact No.:	0908-181-8799
Email Address:	audalonos@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	9
Number of Households (2020 CENSUS):	11,691
Number of Energized Households	6,200
Percentage of Energization	53%



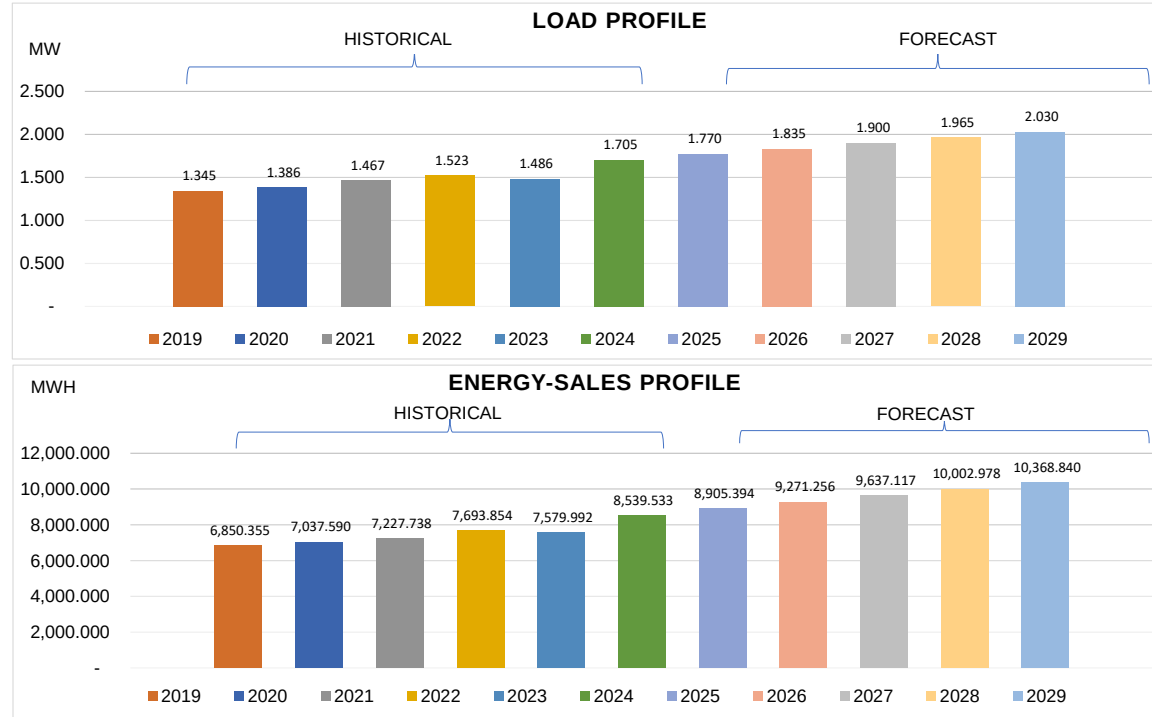
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.484	0.517	0.605	0.756	0.790	0.949	1.020	1.091	1.162	1.233	1.303
Existing Rated Capacity (MW)	1.884	1.884	1.622	1.622	1.622	2.658	2.658	2.658	2.658	2.658	2.658
Existing Dependable Capacity (MW)	1.710	1.710	1.500	1.500	1.370	2.170	2.170	2.170	2.170	2.170	2.170
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)					-	-	-	-	-	-	-
Total Dependable Capacity (MW)	1.884	1.884	1.622	1.622	2.658	2.658	2.658	2.658	2.658	2.658	2.658
Diesel Genset Rental (MW)	1.710	1.710	1.500	1.370	2.170	2.170	2.170	2.170	2.170	2.170	2.170
Gross Reserve Capacity (MW)	1.226	1.193	0.895	0.614	1.380	1.221	1.150	1.079	1.008	0.937	0.867
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.400	0.350	0.350	0.350	0.350	0.350	0.350
Net Reserve Capacity (MW)	0.926	0.893	0.595	0.314	0.980	0.871	0.800	0.729	0.658	0.587	0.517
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWH)					-	-	-	-	-	-	-
Energy Sales (MWH)	2,460,326	2,766,288	3,291,600	3,845,184	4,323,274	4,881,316	5,308,968	5,736,620	6,164,272	6,591,924	7,019,575
Gross Generation (MWH)	2,525.878	2,827.015	3,359.198	3,927.108	4,397.938	4,964.965	5,401.600	5,838.235	6,274.871	6,711.506	7,148.141
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: No Renewable Energy (RE) plans due to planned CSP of PALECO that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CUYO DPP
Name of Plant Head:	ROMEO S. ANDRIANO
Address:	Brgy. Suba, Cuyo, Palawan
Contact No.:	0908-181-8786
Email Address:	rsandriano@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	24
Number of Households (2020 CENSUS):	7,386
Number of Energized Households	7,932
Percentage of Energization	107%



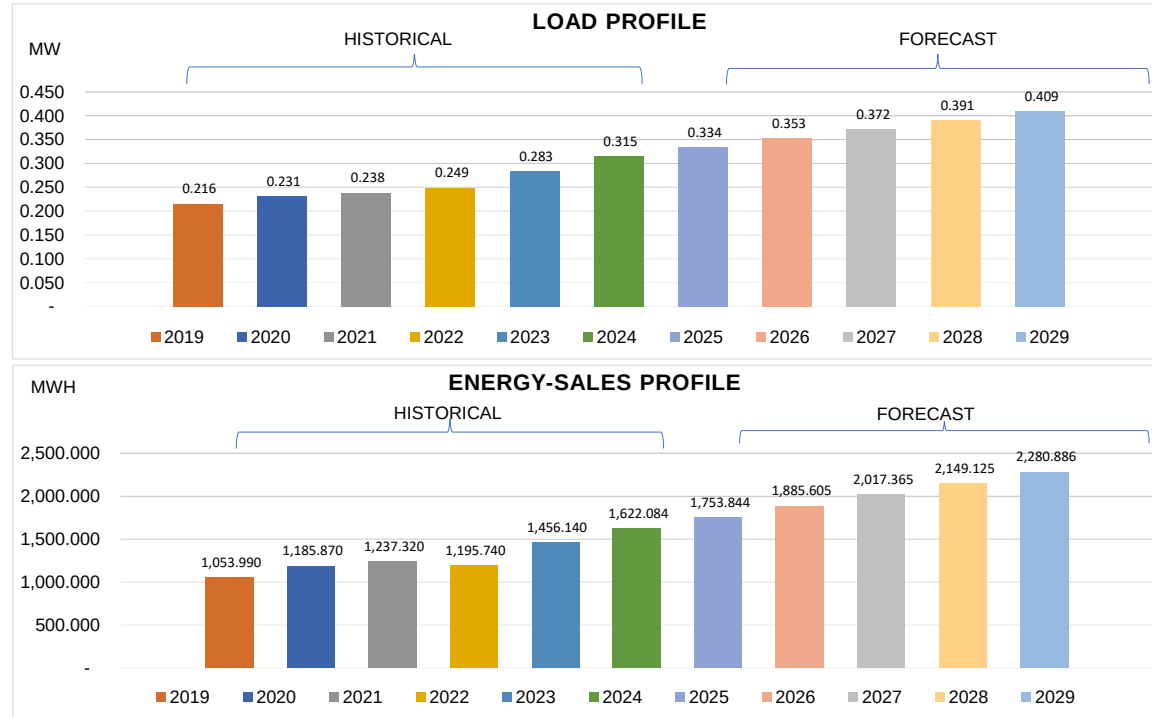
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	1.345	1.386	1.467	1.523	1.486	1.705	1.770	1.835	1.900	1.965	2.030
Existing Rated Capacity (MW)	3.200	3.200	3.200	3.200	3.200	4.400	4.400	4.400	4.400	4.400	4.400
Existing Dependable Capacity (MW)	2.800	2.200	2.550	2.350	2.350	3.550	3.550	3.550	3.550	3.550	3.550
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	3.200	3.200	3.200	3.200	4.400	4.400	4.400	4.400	4.400	4.400	4.400
Total Dependable Capacity (MW)	2.800	2.200	2.550	2.350	3.550	3.550	3.550	3.550	3.550	3.550	3.550
Gross Reserve Capacity (MW)	1.455	0.814	1.083	0.827	2.064	1.845	1.780	1.715	1.650	1.585	1.520
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.500	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	0.855	0.214	0.483	0.327	1.464	1.245	1.180	1.115	1.050	0.985	0.920
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWH)					-	-	-	-	-	-	-
Energy Sales (MWH)	6,850.355	7,037.590	7,227.738	7,693.854	7,579.992	8,539.533	8,905.394	9,271.256	9,637.117	10,002.978	10,368.840
Gross Generation (MWH)	7,367.123	7,597.653	7,775.355	8,337.994	8,290.274	9,244.108	9,614.260	9,984.411	10,354.562	10,724.713	11,094.864
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: No Renewable Energy (RE) plans due to planned CSP of PALECO that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ARACELI DPP
Name of Plant Head:	JIMMY Q. CACAL
Address:	Sitio Temad, Brgy. Poblacion, Araceli, Palawan
Contact No.:	0908-181-8775
Email Address:	jgcacal@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	12
Number of Households (2020 CENSUS):	2,965
Number of Energized Households	1,344
Percentage of Energization	45%



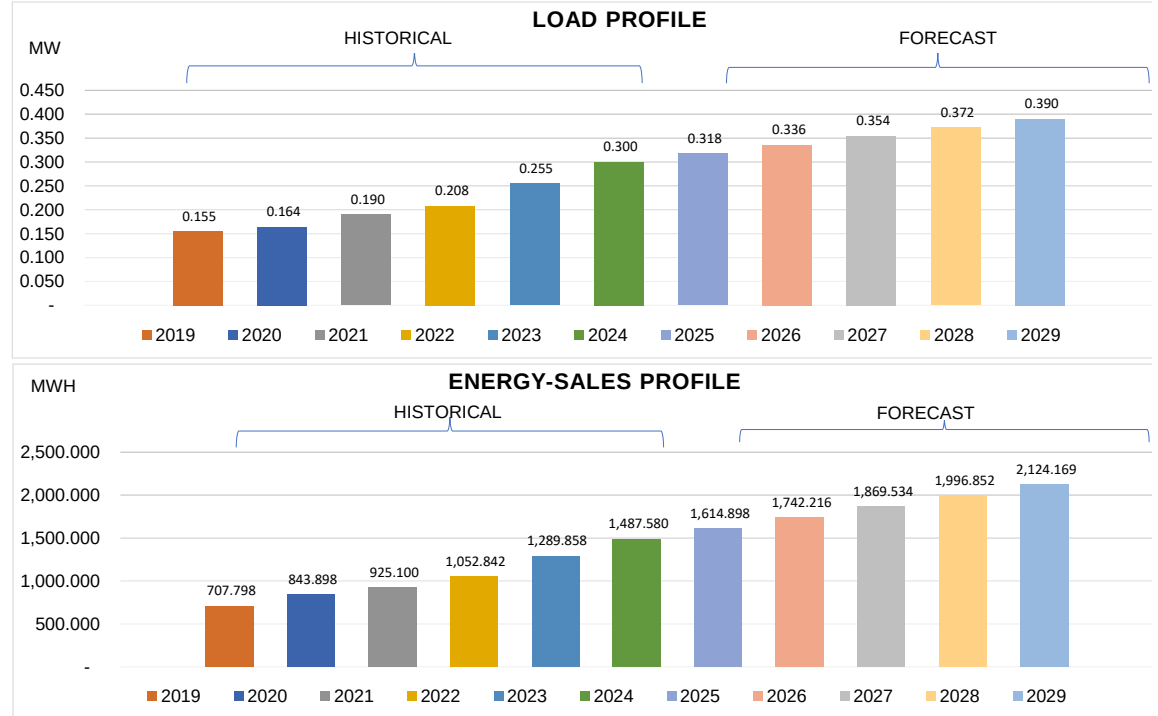
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.216	0.231	0.238	0.249	0.283	0.315	0.334	0.353	0.372	0.391	0.409
Existing Rated Capacity (MW)	0.746	1.386	1.546	1.546	1.473	1.473	1.473	1.473	1.473	1.473	1.473
Existing Dependable Capacity (MW)	0.680	1.320	1.480	1.480	1.182	1.211	1.211	1.211	1.211	1.211	1.211
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.746	1.386	1.546	1.473	1.473	1.473	1.473	1.473	1.473	1.473	1.473
Total Dependable Capacity (MW)	0.680	1.320	1.480	1.182	1.211	1.211	1.211	1.211	1.211	1.211	1.211
Gross Reserve Capacity (MW)	0.464	1.089	1.242	0.933	0.928	0.896	0.877	0.858	0.839	0.820	0.802
Dependable Capacity of largest unit (MW)	0.250	0.300	0.300	0.285	0.290	0.290	0.290	0.290	0.290	0.290	0.290
Net Reserve Capacity (MW)	0.214	0.789	0.942	0.648	0.638	0.606	0.587	0.568	0.549	0.530	0.512
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWH)					-	-	-	-	-	-	-
Energy Sales (MWH)	1,053,990	1,185,870	1,237,320	1,195,740	1,456,140	1,622,084	1,753,844	1,885,605	2,017,365	2,149,125	2,280,886
Gross Generation (MWH)	1,066,820	1,212,210	1,259,987	1,209,998	1,466,590	1,633,043	1,765,313	1,897,583	2,029,853	2,162,122	2,294,392
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: No Renewable Energy (RE) plans due to planned CSP of PALECO that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALABAC DPP
Name of Plant Head:	VICTOR C. VIRGO
Address:	Brgy. I, Poblacion, Balabac, Palawan
Contact No.:	0919-734-8868
Email Address:	vcvirgo@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	18
Number of Households (2020 CENSUS):	4,913
Number of Energized Households	3,124
Percentage of Energization	64%



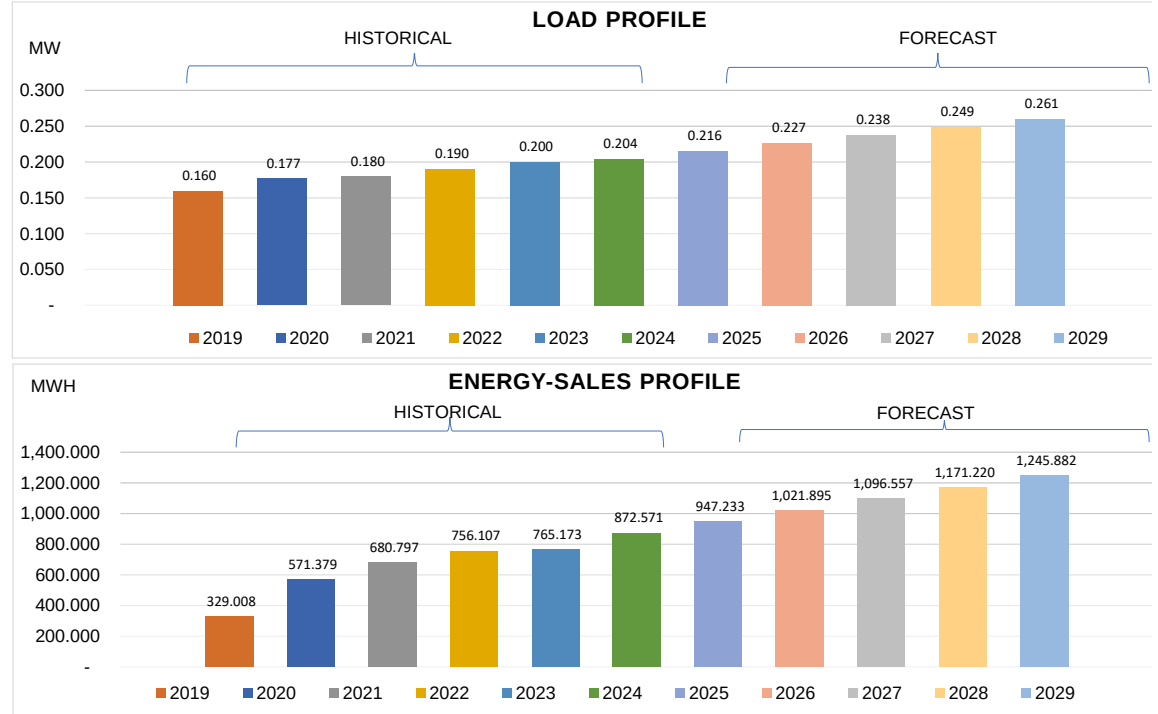
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.155	0.164	0.190	0.208	0.255	0.300	0.318	0.336	0.354	0.372	0.390
Existing Rated Capacity (MW)	0.486	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176
Existing Dependable Capacity (MW)	0.450	1.060	0.860	0.860	0.990	0.990	0.990	0.990	0.990	0.990	0.990
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.486	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176	1.176
Total Dependable Capacity (MW)	0.450	1.060	0.860	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.990
Gross Reserve Capacity (MW)	0.295	0.896	0.670	0.782	0.735	0.690	0.672	0.654	0.636	0.618	0.600
Dependable Capacity of largest unit (MW)	0.160	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)	0.135	0.696	0.470	0.582	0.535	0.490	0.472	0.454	0.436	0.418	0.400
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWH)					-	-	-	-	-	-	-
Energy Sales (MWH)	707.798	843.898	925.100	1,052.842	1,289.858	1,487.580	1,614.898	1,742.216	1,869.534	1,996.852	2,124.169
Gross Generation (MWH)	734.742	896.193	981.693	1,112.252	1,342.411	1,542.118	1,674.439	1,806.761	1,939.083	2,071.404	2,203.726
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: No Renewable Energy (RE) plans due to planned CSP of PALECO that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CAGAYANCILLO DPP
Name of Plant Head:	GORDON L. TALBO
Address:	Brgy. Convento, Cagayancillo, Palawan
Contact No.:	0908-303-2848
Email Address:	gltalbo@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	12
Number of Households (2020 CENSUS):	1,367
Number of Energized Households	1,272
Percentage of Energization	93%



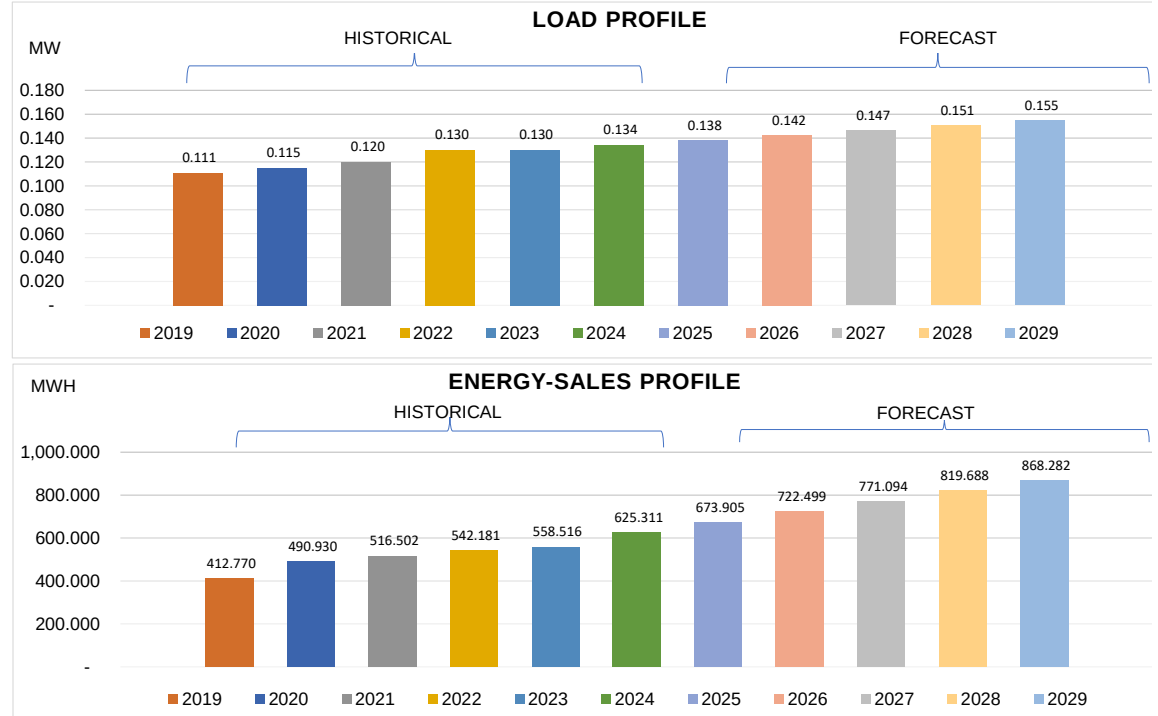
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.160	0.177	0.180	0.190	0.200	0.204	0.216	0.227	0.238	0.249	0.261
Existing Rated Capacity (MW)	0.323	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813
Existing Dependable Capacity (MW)	0.280	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.323	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813
Total Dependable Capacity (MW)	0.280	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
Gross Reserve Capacity (MW)	0.120	0.503	0.500	0.490	0.480	0.476	0.465	0.453	0.442	0.431	0.420
Dependable Capacity of largest unit (MW)	0.160	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)	(0.040)	0.303	0.300	0.290	0.280	0.276	0.265	0.253	0.242	0.231	0.220
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWH)					-	-	-	-	-	-	-
Energy Sales (MWH)	329,008	571,379	680,797	756,107	765,173	872,571	947,233	1,021,895	1,096,557	1,171,220	1,245,882
Gross Generation (MWH)	333,549	580,474	696,002	781,387	801,262	898,528	975,810	1,053,093	1,130,375	1,207,657	1,284,939
Operating Hours	8	24	24	24	24	24	24	24	24	24	24

Notes: No Renewable Energy (RE) plans due to planned CSP of PALECO that includes RE, 2 x 0.110MW Genset units awaiting issuance of COC from ERC



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	AGUTAYA DPP
Name of Plant Head:	GEORGE I. SUMONDONG, SR.
Address:	Brgy. Bancal, Agutaya, Palawan
Contact No.:	0947-781-7859 0921-289-4042
Email Address:	gisumondong@napocor.gov.ph
Distribution Utility:	PALECO
Number of Barangays:	9
Number of Households (2020 CENSUS):	2,365
Number of Energized Households	1,184
Percentage of Energization	50%



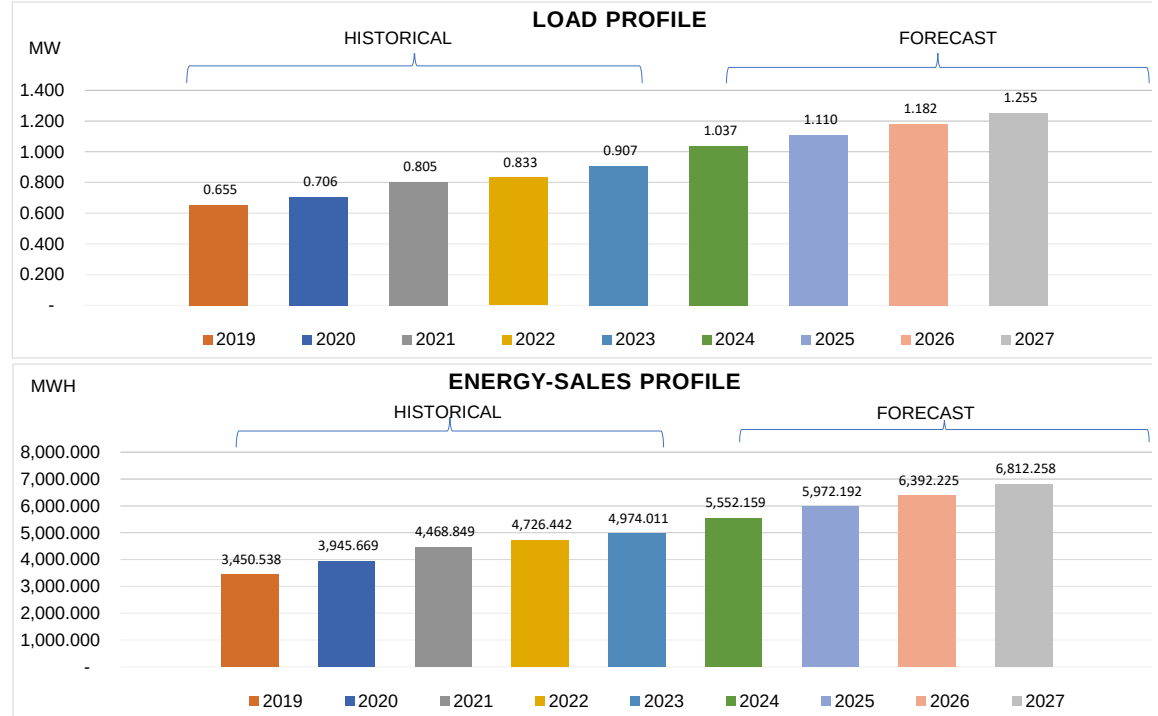
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.111	0.115	0.120	0.130	0.130	0.134	0.138	0.142	0.147	0.151	0.155
Existing Rated Capacity (MW)	0.646	0.646	0.646	0.646	0.936	0.936	0.936	0.936	0.936	0.936	0.936
Existing Dependable Capacity (MW)	0.620	0.620	0.550	0.550	0.840	0.840	0.840	0.840	0.840	0.840	0.840
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.646	0.646	0.646	0.936	0.936	0.936	0.936	0.936	0.936	0.936	0.936
Total Dependable Capacity (MW)	0.620	0.620	0.550	0.840	0.840	0.840	0.840	0.840	0.840	0.840	0.840
Gross Reserve Capacity (MW)	0.509	0.505	0.430	0.710	0.710	0.706	0.702	0.698	0.694	0.689	0.685
Dependable Capacity of largest unit (MW)	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	1.160
Net Reserve Capacity (MW)	0.349	0.345	0.270	0.550	0.550	0.546	0.542	0.538	0.534	0.529	(0.475)
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWH)					-	-	-	-	-	-	-
Energy Sales (MWH)	412.770	490.930	516.502	542.181	558.516	625.311	673.905	722.499	771.094	819.688	868.282
Gross Generation (MWH)	432.732	521.333	548.356	578.997	589.432	650.127	701.284	752.441	803.598	854.755	905.911
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: No Renewable Energy (RE) plans due to planned CSP of PALECO that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CULION DPP
Name of Plant Head:	FERDINAND B. MANUEL
Address:	Sitio Pilapil, Brgy. Osmeña, Culion, Palawan
Contact No.:	0939-461-4645
Email Address:	fbmanuel@napocor.gov.ph
Distribution Utility:	BISELCO
Number of Barangays:	14
Number of Households (2020 CENSUS):	5,651
Number of Energized Households	3,861
Percentage of Energization	68%



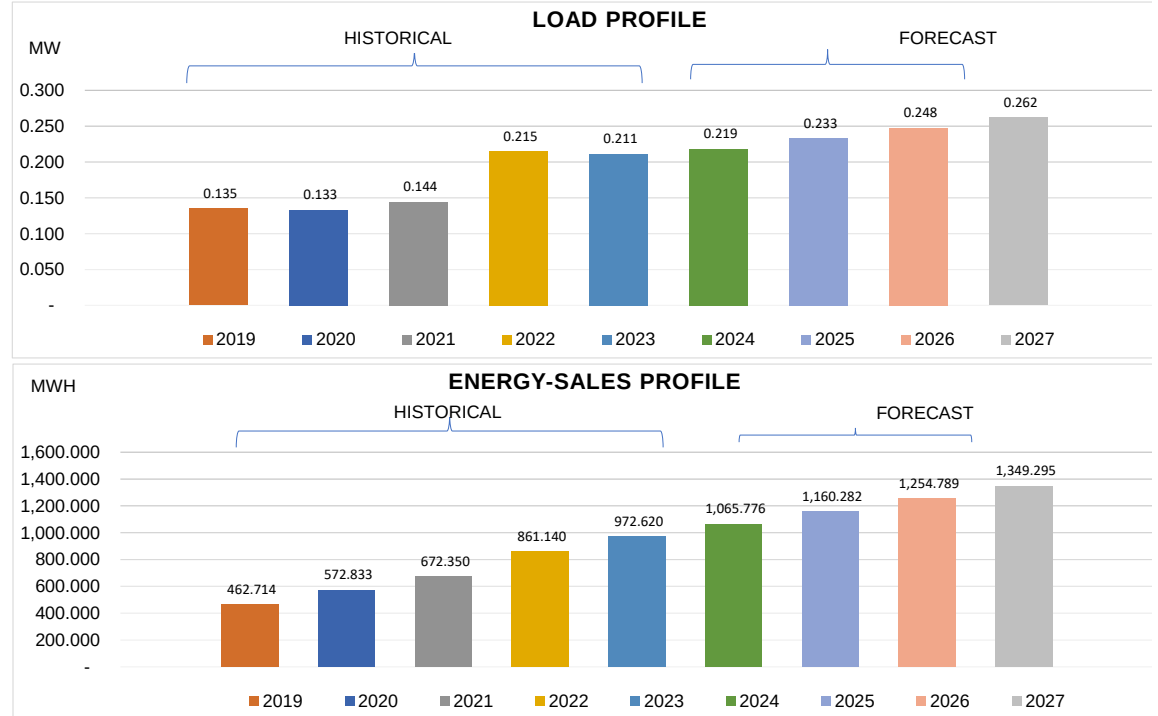
PARTICULAR/YEAR	HISTORICAL					FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
Peak Demand (MW)	0.655	0.706	0.805	0.833	0.907	1.037	1.110	1.182	1.255
Existing Rated Capacity (MW)	2.843	2.843	2.843	2.843	2.243	2.843	2.843	2.843	2.843
Existing Dependable Capacity (MW)	2.710	2.710	2.547	2.547	1.967	2.480	2.480	2.480	2.480
Capacity Addition (MW)					-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-
Diesel Genset Rental (MW)					-	-	0.500	0.500	0.500
Total Installed Capacity (MW)	2.843	2.843	2.843	2.243	2.843	2.843	3.343	3.343	3.343
Total Dependable Capacity (MW)	2.710	2.710	2.547	1.967	2.480	2.480	2.980	2.980	2.980
Gross Reserve Capacity (MW)	2.055	2.004	1.742	1.134	1.573	1.443	1.870	1.798	1.725
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.500	0.600	0.600	0.600	0.600	0.600
Net Reserve Capacity (MW)	1.455	1.404	1.142	0.634	0.973	0.843	1.270	1.198	1.125
Solar PV (MWp)					-	-	-	-	-
BESS (MWH)					-	-	-	-	-
Energy Sales (MWH)	3,450,538	3,945,669	4,468,849	4,726,442	4,974,011	5,552,159	5,972,192	6,392,225	6,812,258
Gross Generation (MWH)	3,517,953	4,040,278	4,532,576	4,797,291	5,063,231	5,623,496	6,045,805	6,470,391	6,888,148
Operating Hours	24	24	24	24	24	24	24		

Note: For takeover of NPP (Source: BISELCO PSPP 2023-2032)



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LINAPACAN DPP
Name of Plant Head:	JOEL A. BUMANGLAG
Address:	Brgy. San Miguel, Linapacan, Palawan
Contact No.:	0912-607-1923
Email Address:	jabumanglag@napocor.gov.ph
Distribution Utility:	BISELCO
Number of Barangays:	9
Number of Households (2020 CENSUS):	3,292
Number of Energized Households	1,916
Percentage of Energization	58%



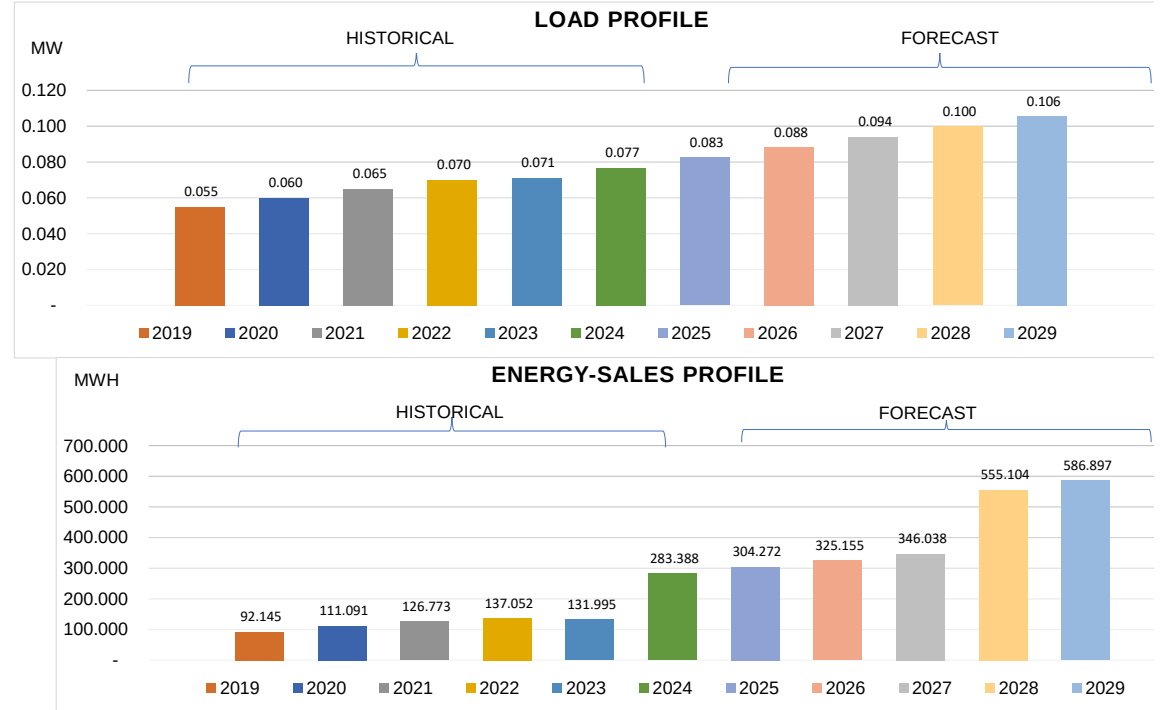
PARTICULAR/YEAR	HISTORICAL					FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
Peak Demand (MW)	0.135	0.133	0.144	0.215	0.211	0.219	0.233	0.248	0.262
Existing Rated Capacity (MW)	1.076	1.076	1.076	1.076	1.076	1.076	1.076	1.076	1.076
Existing Dependable Capacity (MW)	1.030	1.030	0.910	0.910	1.010	1.010	1.010	1.010	1.010
Capacity Addition (MW)					-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-
Total Installed Capacity (MW)	1.076	1.076	1.076	1.076	1.076	1.076	1.076	1.076	1.076
Total Dependable Capacity (MW)	1.030	1.030	0.910	1.010	1.010	1.010	1.010	1.010	1.010
Gross Reserve Capacity (MW)	0.895	0.897	0.766	0.795	0.799	0.792	0.777	0.763	0.748
Dependable Capacity of largest unit (MW)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)	0.695	0.697	0.566	0.595	0.599	0.592	0.577	0.563	0.548
Solar PV (MWp)					-	-	-	-	-
BESS (MWH)					-	-	-	-	-
Energy Sales (MWH)	462.714	572.833	672.350	861.140	972.620	1,065.776	1,160.282	1,254.789	1,349.295
Gross Generation (MWH)	464.976	581.856	679.224	870.723	987.034	1,071.747	1,166.623	1,261.867	1,356.004
Operating Hours	16	24	24	24	24	24	24	24	24

Note: For takeover of NPP (Source: BISELCO PSPP 2023-2032)



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	NANGALAO DPP
Name of Plant Head:	MARK ANTHONY A. BAGUINBIN
Address:	Sitio Tubog, Brgy. Nangalao, Linapacan, Palawan
Contact No.:	0921-378-8118
Email Address:	maabaguinbin@napocor.gov.ph
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	555
Number of Energized Households	325
Percentage of Energization	59%

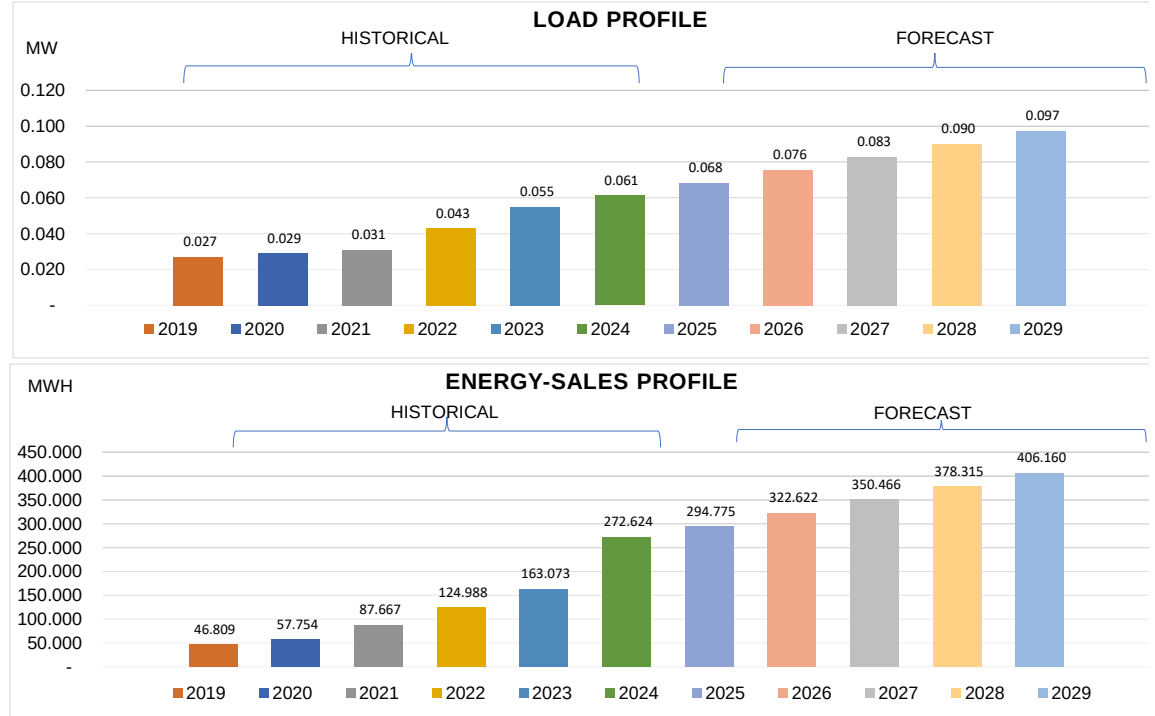


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.055	0.060	0.065	0.070	0.071	0.077	0.083	0.088	0.094	0.100	0.106
Existing Rated Capacity (MW)	0.090	0.150	0.150	0.150	0.150	0.150	0.250	0.250	0.250	0.250	0.250
Existing Dependable Capacity (MW)	0.080	0.140	0.140	0.140	0.140	0.140	0.240	0.240	0.240	0.240	0.240
Capacity Addition (MW)					-	0.100	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	0.100	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.090	0.150	0.150	0.150	0.150	0.250	0.250	0.250	0.250	0.250	0.250
Total Dependable Capacity (MW)	0.080	0.140	0.140	0.140	0.140	0.240	0.240	0.240	0.240	0.240	0.240
Gross Reserve Capacity (MW)	0.025	0.080	0.075	0.070	0.069	0.163	0.158	0.152	0.146	0.140	0.135
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	(0.055)	-	(0.005)	(0.010)	(0.011)	0.083	0.078	0.072	0.066	0.060	0.055
Solar PV (MWp)					-	-	-	-	0.150	-	-
BESS (MWH)					-	-	-	-	0.080	-	-
Energy Sales (MWH)	92,145	111,091	126,773	137,052	131,995	283,388	304,272	325,155	346,038	555,104	586,897
Gross Generation (MWH)	93,419	112,618	129,240	140,016	136,757	289,087	310,907	332,727	354,546	564,549	597,279
Operating Hours	8	8	8	8	8	16	16	16	16	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CASIAN DPP
Name of Plant Head:	FRANZ GARETT D. BAACO
Address:	Purok II, Brgy. Casian, Taytay Palawan
Contact No.:	0999-559-8214 0916-711-8410
Email Address:	fgdbaaco@napocor.gov.ph
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	949
Number of Energized Households	350
Percentage of Energization	37%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.027	0.029	0.031	0.043	0.055	0.061	0.068	0.076	0.083	0.090	0.097
Existing Rated Capacity (MW)	0.090	0.150	0.150	0.150	0.150	0.150	0.250	0.250	0.250	0.250	0.250
Existing Dependable Capacity (MW)	0.080	0.140	0.140	0.140	0.140	0.140	0.240	0.240	0.240	0.240	0.240
Capacity Addition (MW)					-	0.100	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	0.100	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.090	0.150	0.150	0.150	0.150	0.250	0.250	0.250	0.250	0.250	0.250
Total Dependable Capacity (MW)	0.080	0.140	0.140	0.140	0.140	0.240	0.240	0.240	0.240	0.240	0.240
Gross Reserve Capacity (MW)	0.053	0.111	0.109	0.097	0.085	0.179	0.172	0.164	0.157	0.150	0.143
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	(0.027)	0.031	0.029	0.017	0.005	0.099	0.092	0.084	0.077	0.070	0.063
Solar PV (MWP)					-	-	-	-	0.105	-	-
BESS (MWH)					-	-	-	-	0.060	-	-
Energy Sales (MWH)	46,809	57,754	87,667	124,988	163,073	272,624	294,775	322,622	350,466	378,315	406,160
Gross Generation (MWH)	47,225	59,955	98,671	141,096	180,610	292,760	318,238	349,414	380,586	411,764	442,937
Operating Hours	8	8	16	16	16	24	24	24	24	24	24

LOAD PROFILE

HISTORICAL

FORECAST

Year	Load (MW)
2019	0.025
2020	0.013
2021	0.016
2022	0.017
2023	0.018
2024	0.019
2025	0.020
2026	0.022
2027	0.024
2028	0.026
2029	0.028

ENERGY-SALES PROFILE

HISTORICAL

FORECAST

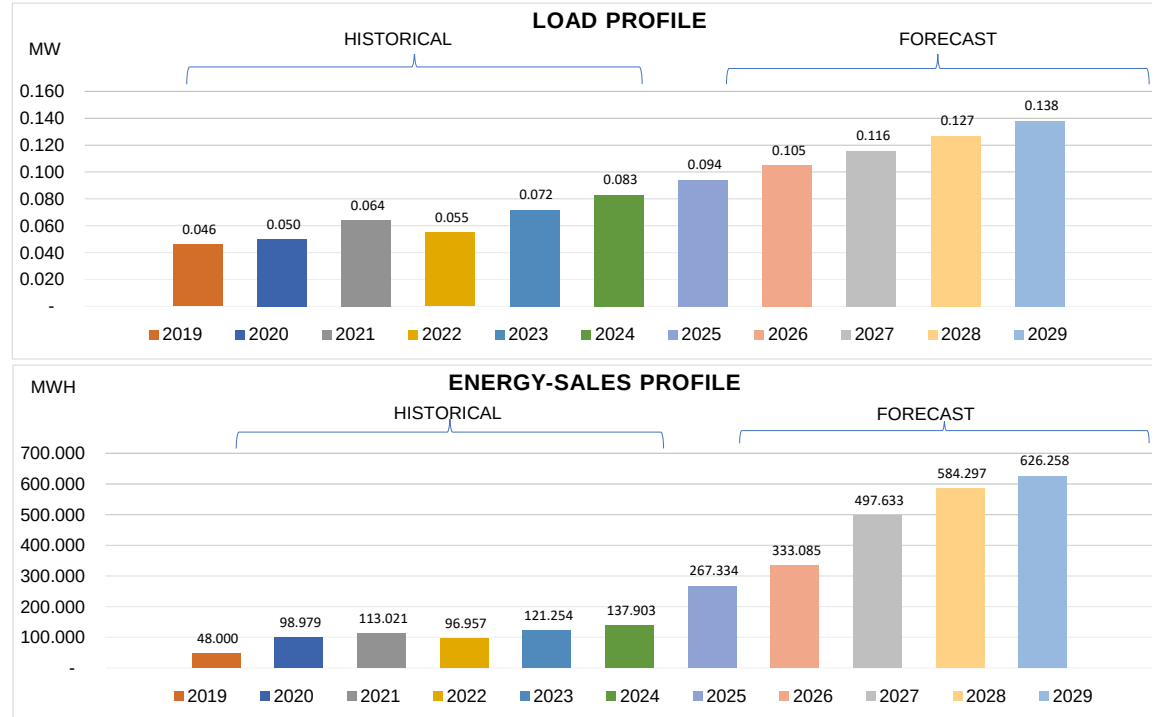
Year	Energy Sales (MWh)
2019	16,766
2020	24,948
2021	29,578
2022	33,243
2023	33,467
2024	36,079
2025	39,377
2026	42,675
2027	45,973
2028	49,271
2029	52,570

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PALY DPP
Name of Plant Head:	JAN CARLO O. CALINGAO
Address:	Brgy. Paly, Taytay, Palawan
Contact No.:	0918-797-3915
Email Address:	jccalingao@napocor.gov.ph
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	596
Number of Energized Households	388
Percentage of Energization	65%

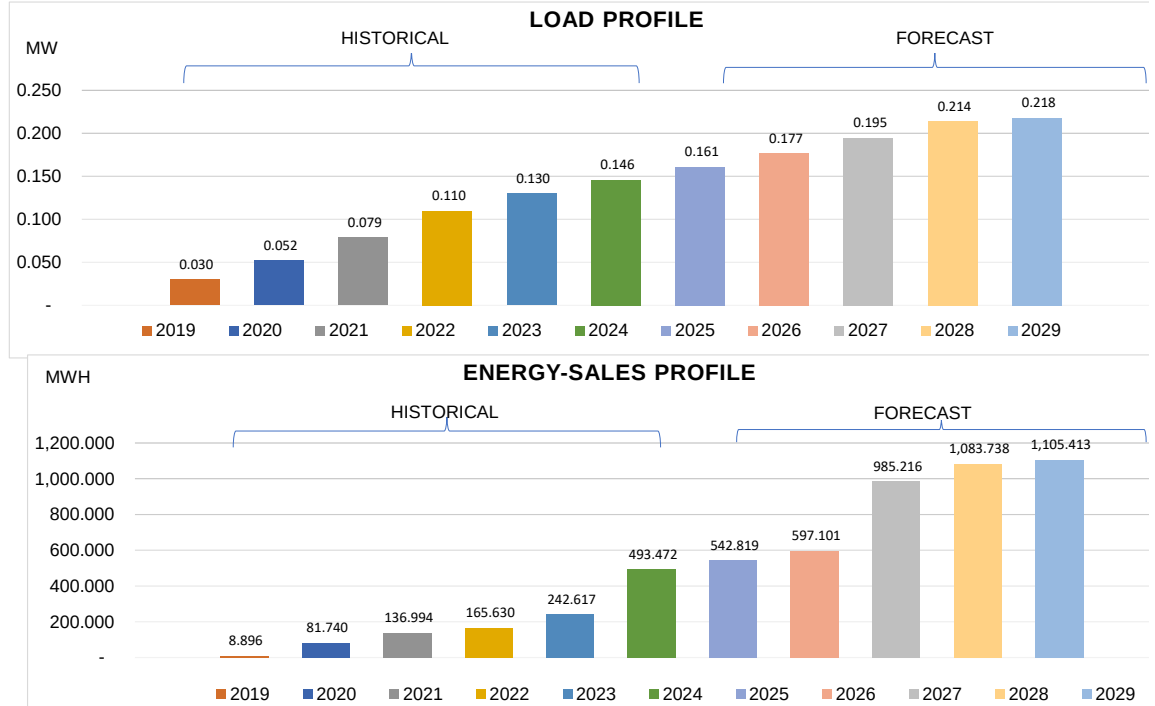


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.046	0.050	0.064	0.055	0.072	0.083	0.094	0.105	0.116	0.127	0.138
Existing Rated Capacity (MW)	0.090	0.090	0.090	0.090	0.090	0.090	0.350	0.350	0.350	0.350	0.350
Existing Dependable Capacity (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.340	0.340	0.340	0.340	0.340
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.090	0.090	0.090	0.090	0.090	0.350	0.350	0.350	0.350	0.350	0.350
Total Dependable Capacity (MW)	0.080	0.080	0.080	0.080	0.080	0.340	0.340	0.340	0.340	0.340	0.340
Gross Reserve Capacity (MW)	0.034	0.030	0.016	0.025	0.008	0.257	0.246	0.235	0.224	0.213	0.202
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	(0.046)	(0.050)	(0.064)	(0.055)	(0.072)	0.177	0.166	0.155	0.144	0.133	0.122
Solar PV (MWp)					-	-	-	-	0.165	-	-
BESS (MWH)					-	-	-	-	0.100	-	-
Energy Sales (MWH)	48,000	98,979	113,021	96,957	121,254	137,903	267,334	333,085	497,633	584,297	626,258
Gross Generation (MWH)	48,986	100,354	114,561	98,414	122,364	139,278	268,772	334,581	499,187	585,909	627,928
Operating Hours	8	8	8	8	8	8	16	16	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BANCALAAN I DPP
Name of Plant Head:	MARK S. OTIC
Address:	Centro, Brgy. Bancalaan, Balabac, Palawan
Contact No.:	0950-491-3271
Email Address:	msotic@napocor.gov.ph
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	2,637 (Shared with Bancalaan II)
Number of Energized Households	597
Percentage of Energization	39% (With Bancalaan II)

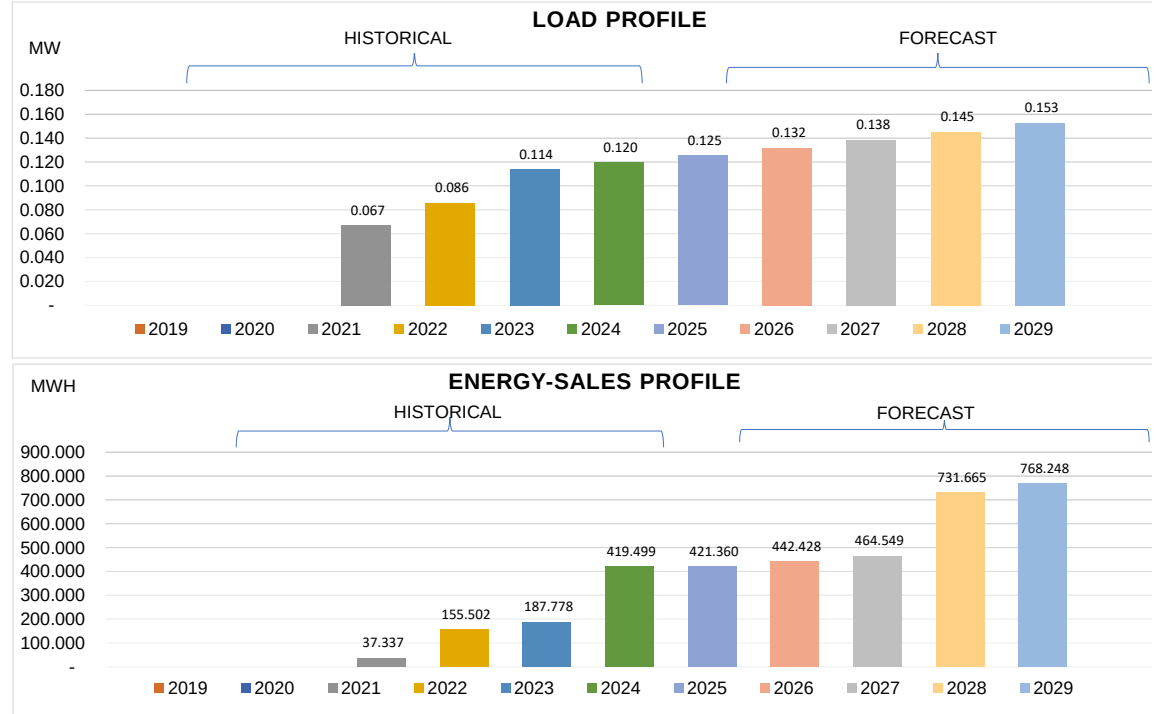


PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Peak Demand (MW)		0.030	0.052	0.079	0.110	0.130	0.146	0.161	0.177	0.195	0.214
Existing Rated Capacity (MW)		0.090	0.090	0.090	0.090	0.340	0.340	0.340	0.340	0.340	0.340
Existing Dependable Capacity (MW)		0.080	0.080	0.080	0.080	0.250	0.330	0.330	0.330	0.330	0.330
Capacity Addition (MW)						-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)						-	-	-	-	-	-
Diesel Genset Rental (MW)						-	-	-	-	-	-
Total Installed Capacity (MW)		0.090	0.090	0.090	0.340	0.340	0.340	0.340	0.340	0.340	0.340
Total Dependable Capacity (MW)		0.080	0.080	0.080	0.250	0.330	0.330	0.330	0.330	0.330	0.330
Gross Reserve Capacity (MW)		0.050	0.028	0.001	0.140	0.200	0.184	0.169	0.153	0.135	0.116
Dependable Capacity of largest unit (MW)		0.080	0.080	0.080	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Net Reserve Capacity (MW)		(0.030)	(0.052)	(0.079)	0.040	0.100	0.084	0.069	0.053	0.035	0.016
Solar PV (MWp)						-	-	-	-	0.280	-
BESS (MWH)						-	-	-	-	0.230	-
Energy Sales (MWH)		8.896	81.740	136.994	165.630	242.617	493.472	542.819	597.101	985.216	1,083.738
Gross Generation (MWH)		9.058	82.611	137.675	167.160	246.101	499.971	549.968	604.965	998.193	1,098.012
Operating Hours		8	8	8	8	8	16	16	16	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BANCALAAN II DPP
Name of Plant Head:	ALLEN KRISTIAN J. BERUEDA
Address:	Sitio Marabon, Brgy. Bancalaan, Balabac, Palawan
Contact No.:	0909-560-0600
Email Address:	allenberueda@gmail.com
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	2,637 (Shared with Bancalaan I)
Number of Energized Households	420
Percentage of Energization	39% (With Bancalaan I)

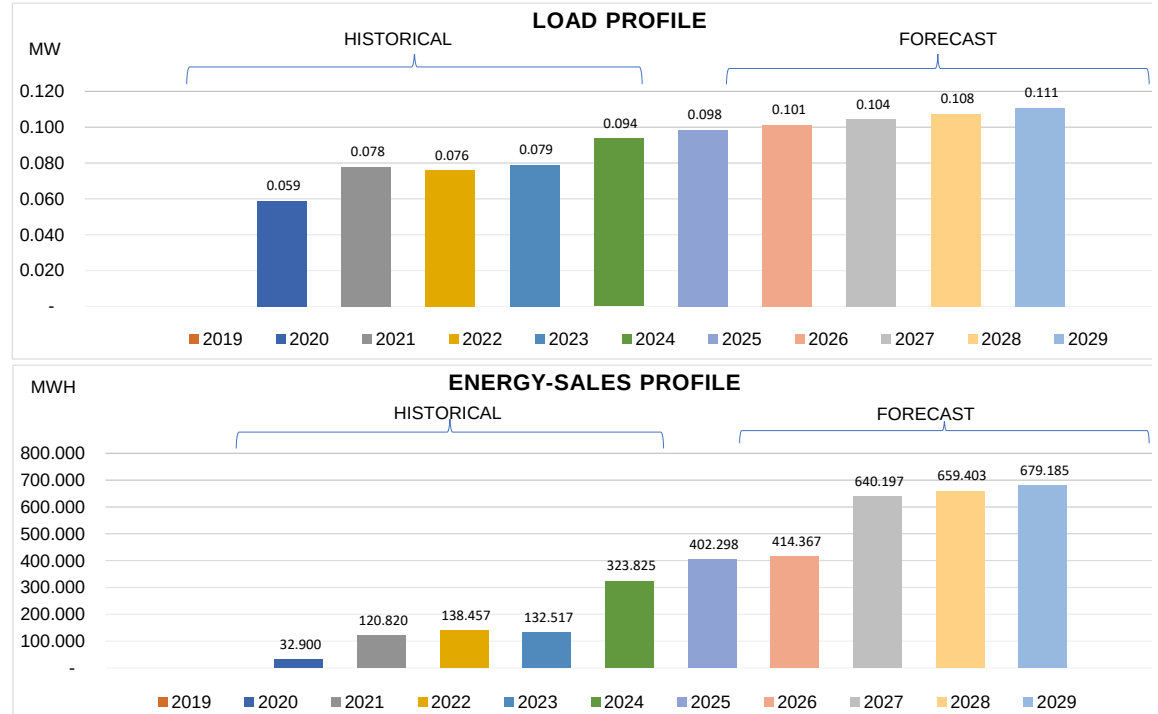


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)			0.067	0.086	0.114	0.120	0.125	0.132	0.138	0.145	0.153
Existing Rated Capacity (MW)			0.090	0.090	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Existing Dependable Capacity (MW)			0.080	0.080	0.230	0.230	0.230	0.230	0.230	0.230	0.230
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)			0.090	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Total Dependable Capacity (MW)			0.080	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230
Gross Reserve Capacity (MW)			0.013	0.144	0.116	0.110	0.105	0.098	0.092	0.085	0.077
Dependable Capacity of largest unit (MW)			0.080	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Net Reserve Capacity (MW)			(0.067)	0.044	0.016	0.010	0.005	(0.002)	(0.008)	(0.015)	(0.023)
Solar PV (MWp)					-	-	-	-	0.200	-	-
BESS (MWH)					-	-	-	-	0.160	-	-
Energy Sales (MWH)			37.337	155.502	187.778	419.499	421.360	442.428	464.549	731.665	768.248
Gross Generation (MWH)			39.633	168.903	202.704	425.024	426.909	448.255	470.668	741.302	778.367
Operating Hours			8	8	8	16	16	16	16	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CALANDAGAN DPP
Name of Plant Head:	KEVIN FRANCIS M. ACOY
Address:	Brgy. Calandagan, Araceli, Palawan
Contact No.:	0948-408-9375
Email Address:	acoykevinfrancis@gmail.com
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	540
Number of Energized Households	401
Percentage of Energization	74%

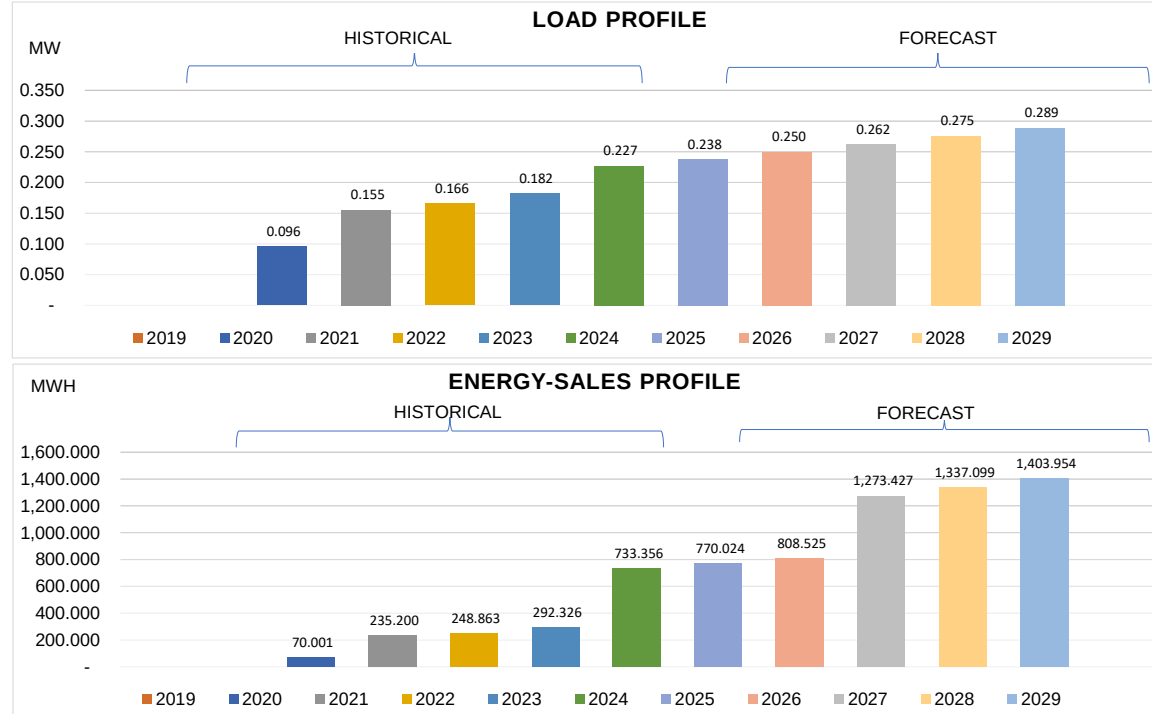


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)		0.059	0.078	0.076	0.079	0.094	0.098	0.101	0.104	0.108	0.111
Existing Rated Capacity (MW)		0.088	0.088	0.088	0.388	0.388	0.388	0.388	0.388	0.388	0.388
Existing Dependable Capacity (MW)		0.080	0.080	0.080	0.380	0.380	0.380	0.380	0.380	0.380	0.380
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)		0.088	0.088	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388
Total Dependable Capacity (MW)		0.080	0.080	0.380	0.380	0.380	0.380	0.380	0.380	0.380	0.380
Gross Reserve Capacity (MW)		0.021	0.002	0.304	0.301	0.286	0.282	0.279	0.276	0.272	0.269
Dependable Capacity of largest unit (MW)		0.080	0.080	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Net Reserve Capacity (MW)		(0.059)	(0.078)	0.204	0.201	0.186	0.182	0.179	0.176	0.172	0.169
Solar PV (MWp)					-	-	-	-	0.190	-	-
BESS (MWH)					-	-	-	-	0.120	-	-
Energy Sales (MWH)		32,900	120,820	138,457	132,517	323,825	402,298	414,367	640,197	659,403	679,185
Gross Generation (MWH)		32,953	123,273	140,531	134,932	328,090	407,597	419,825	648,629	668,088	688,131
Operating Hours		8	8	8	8	16	16	16	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MANGSEE DPP
Name of Plant Head:	RON CEDRIC B. GARCIA
Address:	Brgy. Mangsee, Balabac, Palawan
Contact No.:	0909-644-7567
Email Address:	npc.roncedgarcia@gmail.com
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	1,717
Number of Energized Households	900
Percentage of Energization	52%

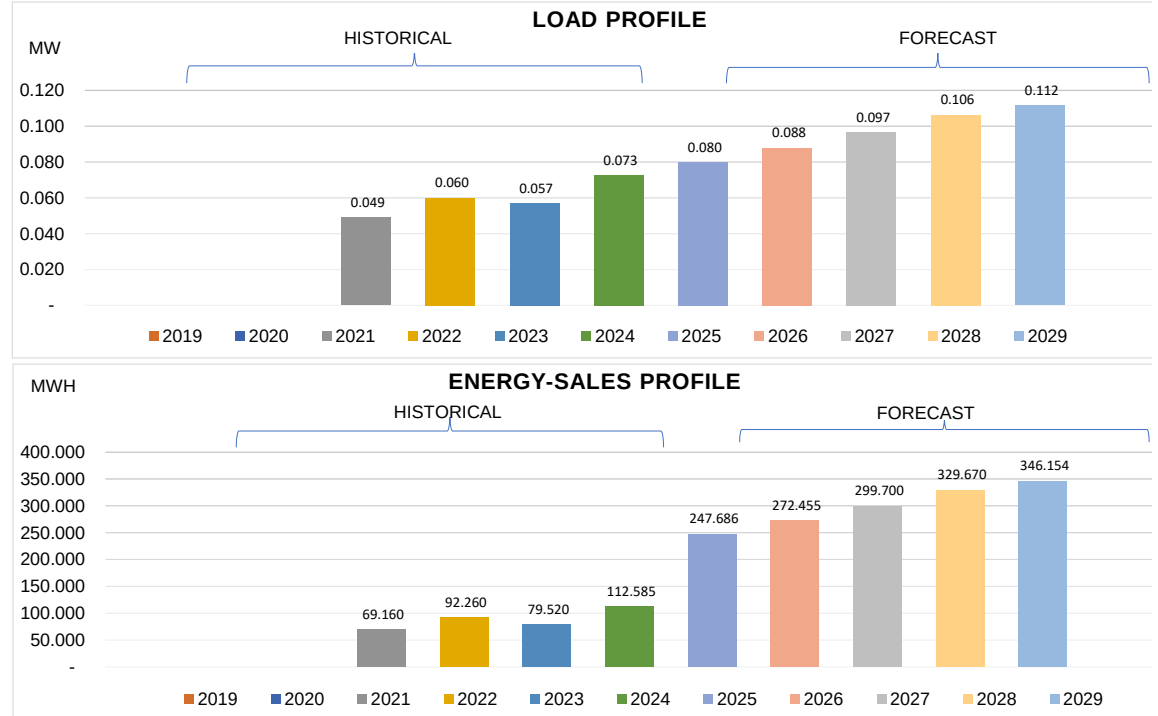


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)		0.096	0.155	0.166	0.182	0.227	0.238	0.250	0.262	0.275	0.289
Existing Rated Capacity (MW)		0.176	0.176	0.176	0.776	0.776	0.776	0.776	0.776	0.776	0.776
Existing Dependable Capacity (MW)		0.176	0.176	0.176	0.688	0.776	0.776	0.776	0.776	0.776	0.776
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)		0.176	0.176	0.776	0.776	0.776	0.776	0.776	0.776	0.776	0.776
Total Dependable Capacity (MW)		0.176	0.176	0.688	0.776	0.776	0.776	0.776	0.776	0.776	0.776
Gross Reserve Capacity (MW)		0.104	0.045	0.522	0.594	0.549	0.538	0.526	0.514	0.501	0.487
Dependable Capacity of largest unit (MW)		0.100	0.100	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)		0.004	(0.055)	0.222	0.294	0.249	0.238	0.226	0.214	0.201	0.187
Solar PV (MWp)					-	-	-	-	0.340	-	-
BESS (MWH)					-	-	-	-	0.120	-	-
Energy Sales (MWH)		70,001	235,200	248,863	292,326	733,356	770,024	808,525	1,273,427	1,337,099	1,403,954
Gross Generation (MWH)		73,500	240,080	249,306	292,883	743,016	780,166	819,175	1,290,200	1,354,710	1,422,446
Operating Hours		8	8	8	8	16	16	16	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BISUCAY DPP
Name of Plant Head:	SHAIRA A. CABRERA
Address:	Brgy. Caburian, Bisucay Island, Cuyo, Palawan
Contact No.:	0968-683-4501 0917-184-7396
Email Address:	sacabrera@napocor.gov.ph
Distribution Utility:	PG-Palawan
Number of Barangays:	3
Number of Households (2020 CENSUS):	516
Number of Energized Households	535
Percentage of Energization	104%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)			0.049	0.060	0.057	0.073	0.080	0.088	0.097	0.106	0.112
Existing Rated Capacity (MW)			0.094	0.094	0.094	0.194	0.194	0.194	0.194	0.194	0.194
Existing Dependable Capacity (MW)			0.080	0.080	0.080	0.180	0.180	0.180	0.180	0.180	0.180
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	0.080	0.080	0.080	0.080	0.080	0.080
Total Installed Capacity (MW)			0.094	0.094	0.194	0.274	0.274	0.274	0.274	0.274	0.274
Total Dependable Capacity (MW)			0.080	0.080	0.180	0.260	0.260	0.260	0.260	0.260	0.260
Gross Reserve Capacity (MW)			0.031	0.020	0.123	0.187	0.180	0.172	0.163	0.154	0.148
Dependable Capacity of largest unit (MW)			0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)			(0.049)	(0.060)	0.043	0.107	0.100	0.092	0.083	0.074	0.068
Solar PV (MWp)					-	-	-	-	-	0.095	-
BESS (MWH)					-	-	-	-	-	0.060	-
Energy Sales (MWH)			69.160	92.260	79.520	112.585	247.686	272.455	299.700	329.670	346.154
Gross Generation (MWH)			69.760	92.679	80.653	114.067	250.948	276.043	303.648	334.012	350.713
Operating Hours			8	8	8	8	16	16	16	16	16

LOAD PROFILE

HISTORICAL

FORECAST

Year	Load (MW)
2019	-
2020	-
2021	0.030
2022	0.058
2023	0.063
2024	0.080
2025	0.088
2026	0.092
2027	0.097
2028	0.102
2029	0.107

ENERGY-SALES PROFILE

HISTORICAL

FORECAST

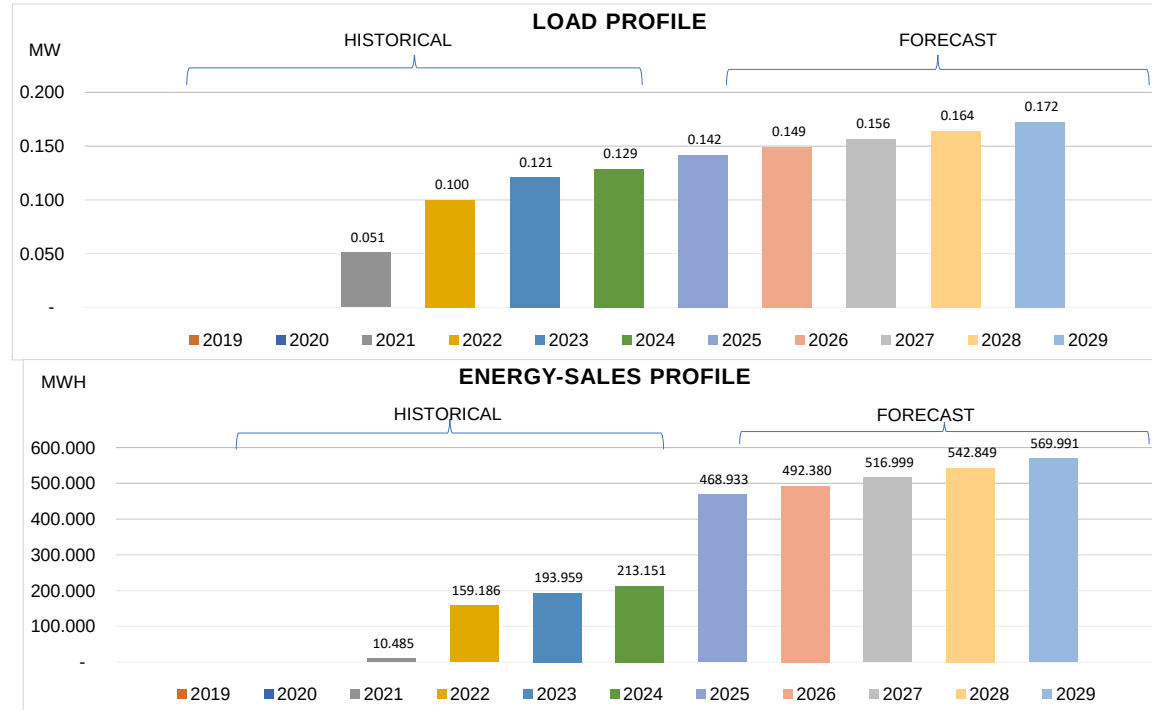
Year	Energy Sales (MWh)
2019	-
2020	-
2021	50.400
2022	126.846
2023	214.250
2024	285.377
2025	313.914
2026	329.610
2027	346.091
2028	363.395
2029	381.565

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CONCEPCION AGUTAYA DPP
Name of Plant Head:	ERMAR B. JARDIN
Address:	Brgy. Concepcion, Agutaya, Palawan
Contact No.:	0910-127-1002
Email Address:	npccermari@gmail.com
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	809
Number of Energized Households	341
Percentage of Energization	42%

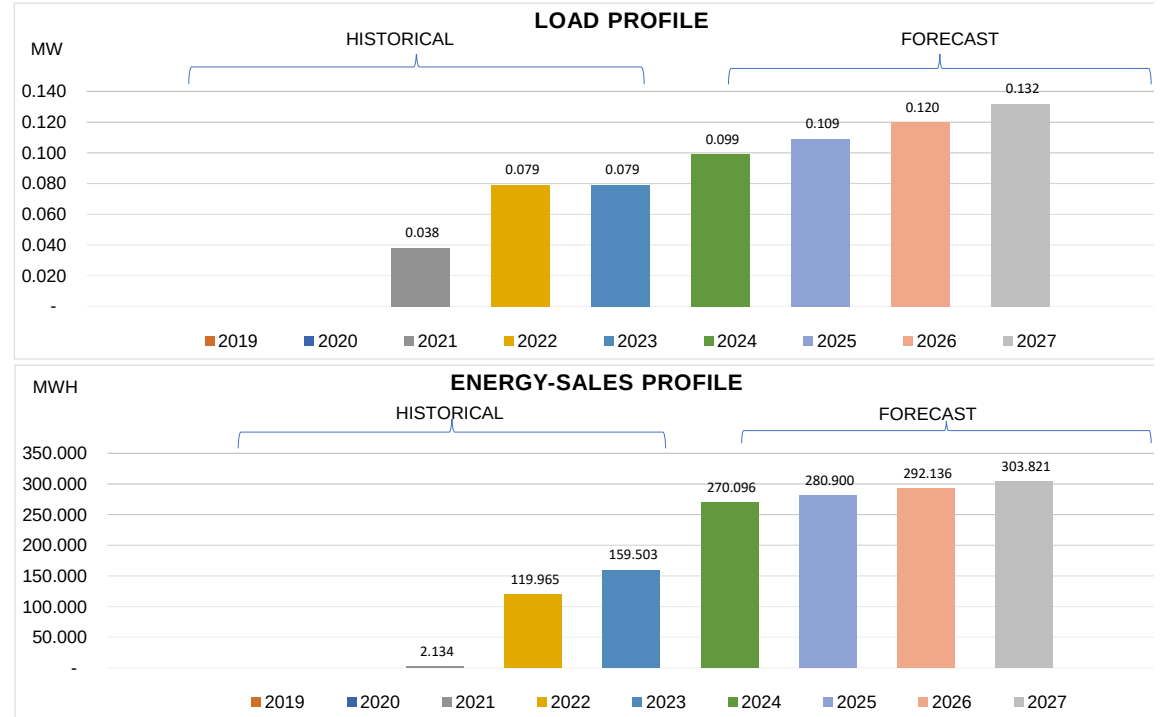


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)			0.051	0.100	0.121	0.129	0.142	0.149	0.156	0.164	0.172
Existing Rated Capacity (MW)			0.090	0.090	0.253	0.513	0.513	0.513	0.513	0.513	0.513
Existing Dependable Capacity (MW)			0.080	0.080	0.210	0.390	0.390	0.390	0.390	0.390	0.390
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)			0.090	0.253	0.253	0.513	0.513	0.513	0.513	0.513	0.513
Total Dependable Capacity (MW)			0.080	0.210	0.210	0.390	0.390	0.390	0.390	0.390	0.390
Gross Reserve Capacity (MW)			0.029	0.110	0.089	0.261	0.248	0.241	0.234	0.226	0.218
Dependable Capacity of largest unit (MW)			0.080	0.130	0.130	0.180	0.180	0.180	0.180	0.180	0.180
Net Reserve Capacity (MW)			(0.051)	(0.020)	(0.041)	0.081	0.068	0.061	0.054	0.046	0.038
Solar PV (MWp)					-	-	-	-	-	0.175	-
BESS (MWH)					-	-	-	-	-	0.060	-
Energy Sales (MWH)			10.485	159.186	193.959	213.151	468.933	492.380	516.999	542.849	569.991
Gross Generation (MWH)			10.876	161.139	200.068	215.959	475.110	498.865	523.808	549.999	577.499
Operating Hours			8	8	8	8	16	16	16	16	16



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PANLAITAN DPP
Name of Plant Head:	JOHN DERECK G. PADUGA
Address:	Brgy. Panlaitan, Busuanga, Palawan
Contact No.:	0977-163-7385
Email Address:	jdgpads@gmail.com
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	775
Number of Energized Households	607
Percentage of Energization	78%



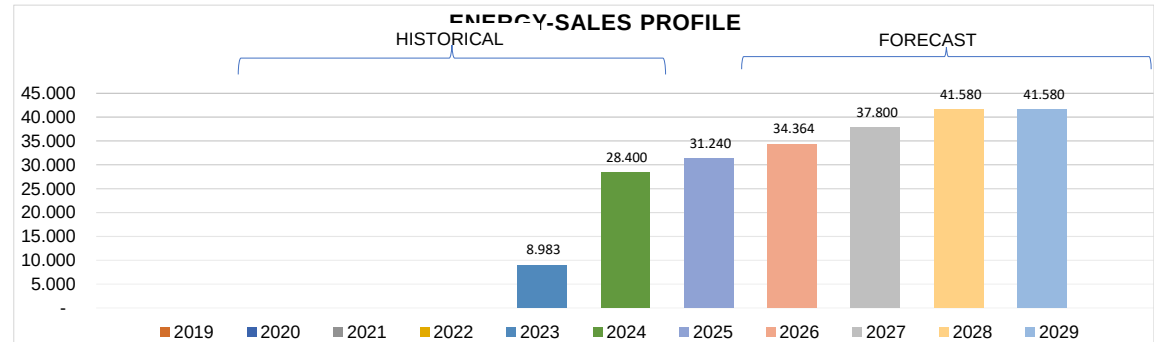
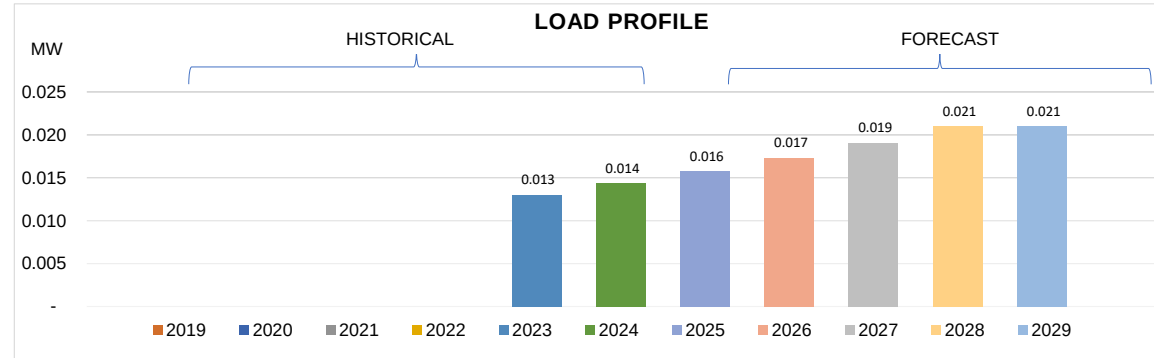
PARTICULAR/YEAR	HISTORICAL					FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
Peak Demand (MW)			0.038	0.079	0.079	0.099	0.109	0.120	0.132
Existing Rated Capacity (MW)			0.088	0.088	0.088	0.088	0.188	0.188	0.188
Existing Dependable Capacity (MW)			0.080	0.080	0.080	0.080	0.180	0.180	0.180
Capacity Addition (MW)					0.100	-	-	-	-
Dependable Capacity of Add. unit (MW)					0.100	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-
Total Installed Capacity (MW)			0.088	0.088	0.088	0.188	0.188	0.188	0.188
Total Dependable Capacity (MW)			0.080	0.080	0.080	0.180	0.180	0.180	0.180
Gross Reserve Capacity (MW)			0.042	0.001	0.001	0.081	0.071	0.060	0.048
Dependable Capacity of largest unit (MW)			0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)			(0.038)	(0.079)	(0.079)	0.001	(0.009)	(0.020)	(0.032)
Solar PV (MWp)					-	-	-	-	-
BESS (MWH)					-	-	-	-	-
Energy Sales (MWH)			2.134	119.965	159.503	270.096	280.900	292.136	303.821
Gross Generation (MWH)			2.172	120.211	161.196	278.449	289.587	301.171	313.218
Operating Hours			8	8	8	8	8	8	8

Note: With ongoing Unsolicited Proposal (USP), Target date of MGSP takeover on 2026



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GALOC DPP
Name of Plant Head:	JOHN RAFFY C. CACAL
Address:	Brgy. Galoc, Culion, Palawan
Contact No.:	0910-967-5217
Email Address:	jrcacal@napocor.gov.ph
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	541
Number of Energized Households	96
Percentage of Energization	18%

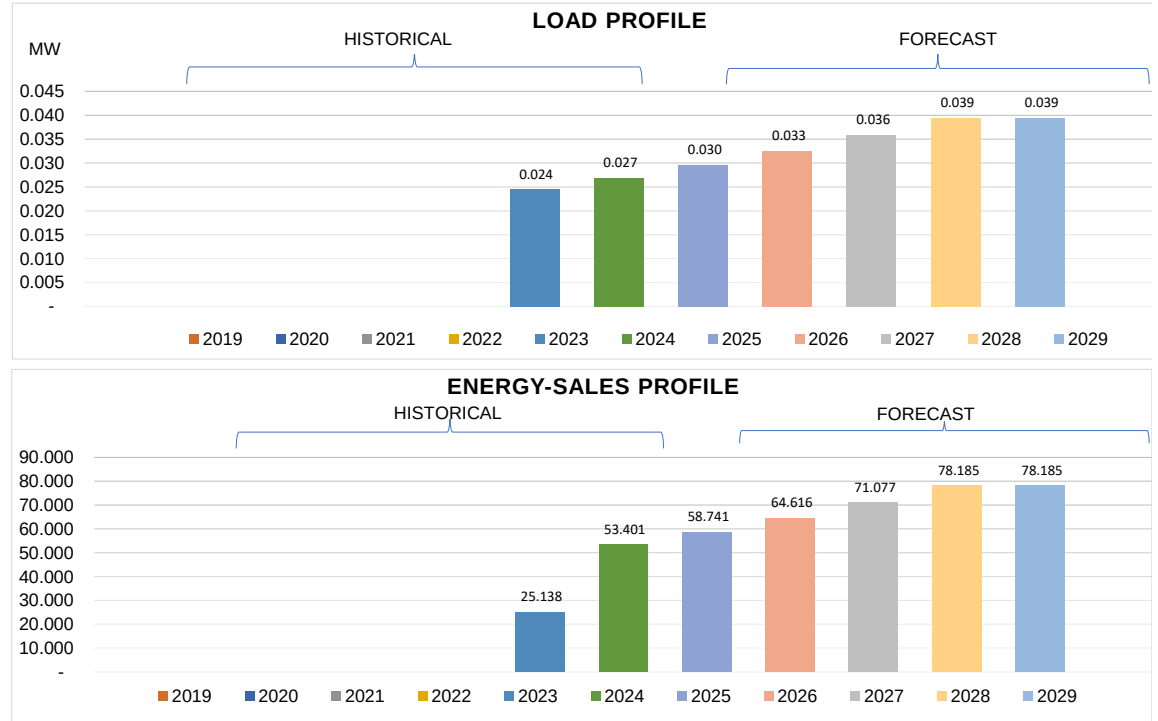


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)					0.013	0.014	0.016	0.017	0.019	0.021	0.021
Existing Rated Capacity (MW)					0.030	0.030	0.030	0.030	0.030	0.030	0.030
Existing Dependable Capacity (MW)					0.030	0.030	0.030	0.030	0.030	0.030	0.030
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)						0.050	0.050	0.050	0.050	0.050	0.050
Total Installed Capacity (MW)					0.030	0.080	0.080	0.080	0.080	0.080	0.080
Total Dependable Capacity (MW)					0.030	0.080	0.080	0.080	0.080	0.080	0.080
Gross Reserve Capacity (MW)					0.017	0.066	0.064	0.063	0.061	0.059	0.059
Dependable Capacity of largest unit (MW)					0.030	0.030	0.030	0.030	0.030	0.030	0.030
Net Reserve Capacity (MW)					(0.013)	0.036	0.034	0.033	0.031	0.029	0.029
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)					8,983	28,400	31,240	34,364	37,800	41,580	41,580
Gross Generation (MWH)					9,261	29,278	32,206	35,427	38,969	42,866	42,866
Operating Hours					8	8	8	8	8	8	8



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MAGLALAMBAY DPP
Name of Plant Head:	JOHN RAFFY C. CACAL
Address:	Brgy. Maglambay, Busuanga, Palawan
Contact No.:	0910-967-5217
Email Address:	jrccacal@napocor.gov.ph
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	332
Number of Energized Households	165
Percentage of Energization	50%

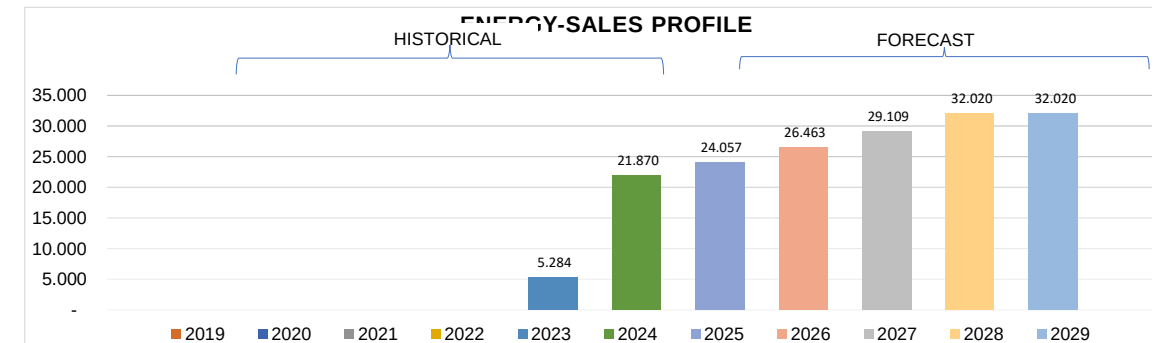
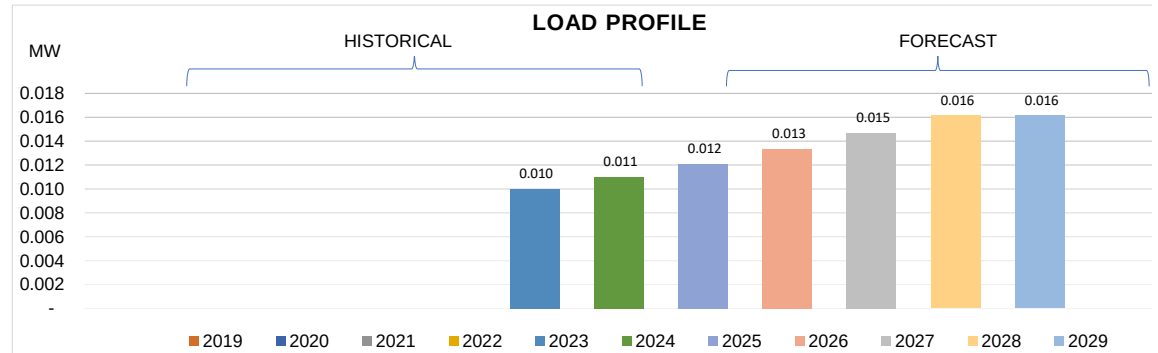


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)					0.024	0.027	0.030	0.033	0.036	0.039	0.039
Existing Rated Capacity (MW)					0.050	0.050	0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)					0.050	0.050	0.050	0.050	0.050	0.050	0.050
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)						0.050	0.050	0.050	0.050	0.050	0.050
Total Installed Capacity (MW)					0.050	0.100	0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)					0.050	0.100	0.100	0.100	0.100	0.100	0.100
Gross Reserve Capacity (MW)					0.026	0.073	0.070	0.067	0.064	0.061	0.061
Dependable Capacity of largest unit (MW)					0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)					(0.024)	0.023	0.020	0.017	0.014	0.011	0.011
Solar PV (MWp)											0.110
BESS (MWH)											0.270
Energy Sales (MWH)					25.138	53.401	58.741	64.616	71.077	78.185	78.185
Gross Generation (MWH)					25.915	55.053	60.558	66.614	73.275	80.603	80.603
Operating Hours					8	8	8	8	8	8	8



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BATAS DPP
Name of Plant Head:	ROMEO JAKE A. NAMUCO
Address:	Brgy. Batas, Taytay, Palawan
Contact No.:	0929-886-1351
Email Address:	-
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	305
Number of Energized Households	97
Percentage of Energization	32%

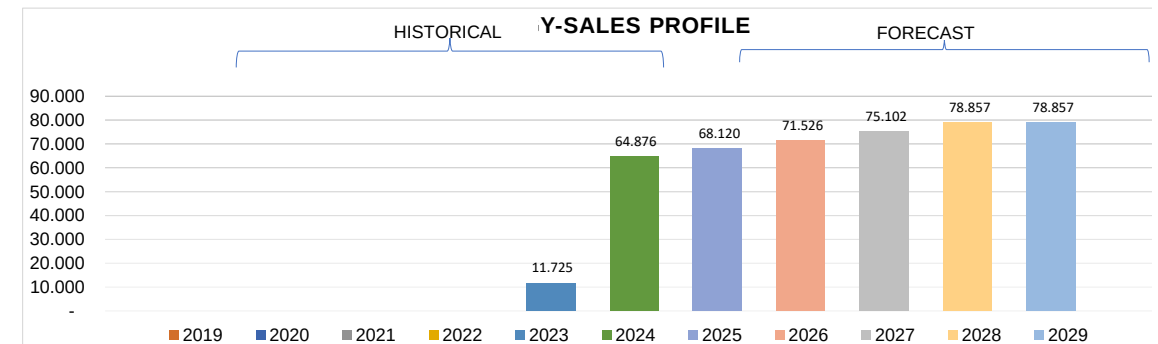
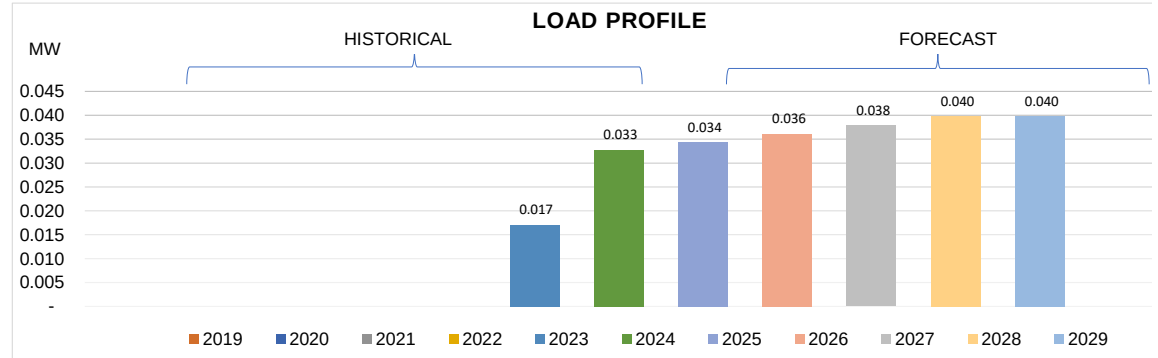


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)					0.010	0.011	0.012	0.013	0.015	0.016	0.016
Existing Rated Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Gross Reserve Capacity (MW)					0.090	0.089	0.088	0.087	0.085	0.084	0.084
Dependable Capacity of largest unit (MW)					0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)					0.040	0.039	0.038	0.037	0.035	0.034	0.034
Solar PV (MWp)											0.105
BESS (MWH)											0.260
Energy Sales (MWH)					5.284	21.870	24.057	26.463	29.109	32.020	32.020
Gross Generation (MWH)					5.447	22.547	24.801	27.281	30.010	33.011	33.011
Operating Hours					8	8	8	8	8	8	8



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	DEBANGAN DPP
Name of Plant Head:	FRANZ GARETT D. BAACO
Address:	Brgy. Debanan, Taytay, Palawan
Contact No.:	0999-559-8214 0916-711-8410
Email Address:	fgdbaaco@napocor.gov.ph
Distribution Utility:	PG-Palawan
Number of Barangays:	1
Number of Households (2020 CENSUS):	205
Number of Energized Households	141
Percentage of Energization	69%

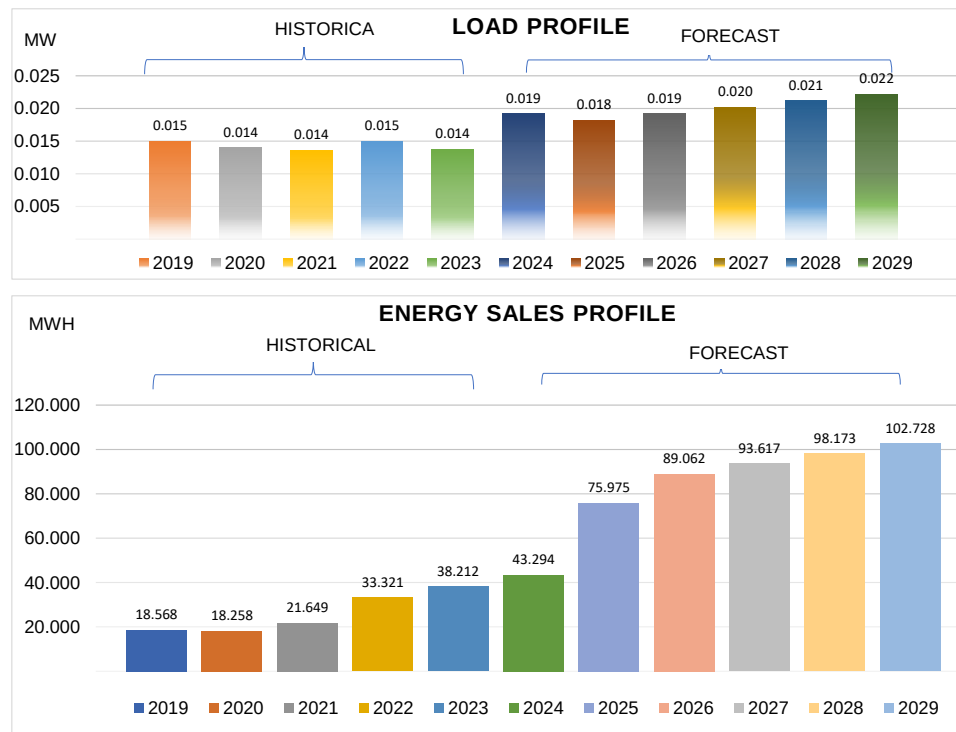


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)					0.017	0.033	0.034	0.036	0.038	0.040	0.040
Existing Rated Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)					0.100	0.100	0.100	0.100	0.100	0.100	0.100
Gross Reserve Capacity (MW)					0.083	0.067	0.066	0.064	0.062	0.060	0.060
Dependable Capacity of largest unit (MW)					0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)					0.033	0.017	0.016	0.014	0.012	0.010	0.010
Solar PV (MWp)											0.090
BESS (MWH)											0.230
Energy Sales (MWH)					11.725	64.876	68.120	71.526	75.102	78.857	78.857
Gross Generation (MWH)					12.087	66.882	70.227	73.738	77.425	81.296	81.296
Operating Hours					8	8	8	8	8	8	8



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

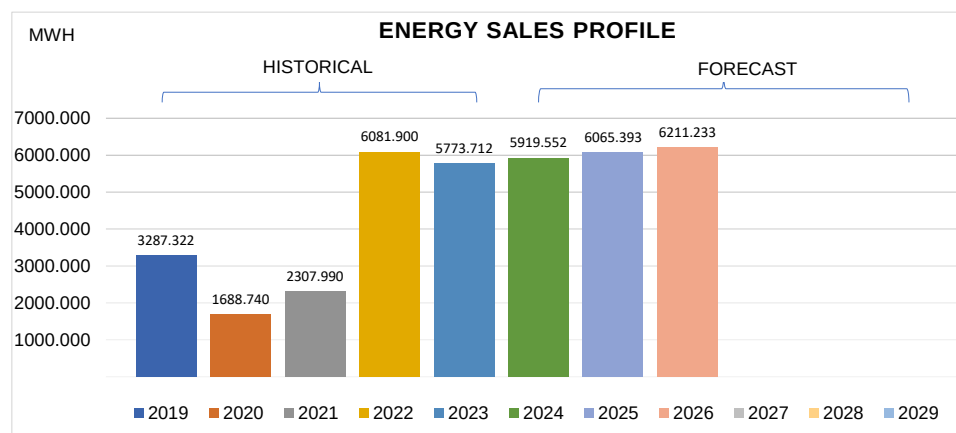
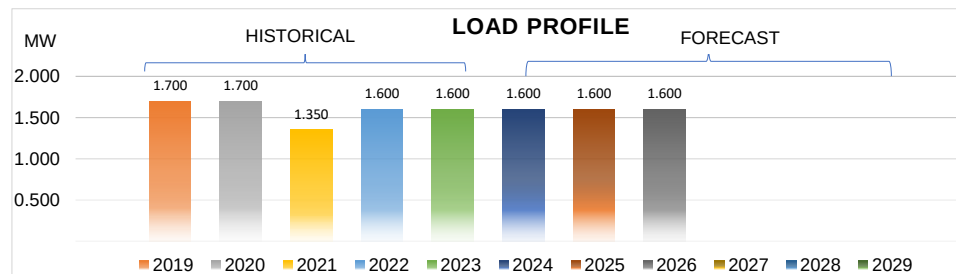
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ATULAYAN DPP
Name of Plant Head:	LEOPOLDO T. PANTI
Address:	Brgy. Atulayan, Sagñay, Camarines
Contact No.:	0908-181-9630
Email Address:	ltpanti@napocor.gov.ph
Distribution Utility:	CASURECO IV
Number of Barangays:	1
Number of Households (2020 CENSUS):	153
Number of Energized Households	150
Percentage of Energization	98%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.015	0.014	0.014	0.015	0.014	0.019	0.018	0.019	0.020	0.021	0.022
Existing Rated Capacity (MW)	0.022	0.022	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
Existing Dependable Capacity (MW)	0.018	0.018	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.022	0.022	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
Total Dependable Capacity (MW)	0.018	0.018	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076
Gross Reserve Capacity (MW)	0.003	0.004	0.062	0.061	0.062	0.057	0.058	0.057	0.056	0.055	0.054
Dependable Capacity of largest unit (MW)	0.018	0.018	0.018	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Net Reserve Capacity (MW)	-0.015	-0.014	0.045	0.041	0.042	0.037	0.038	0.037	0.036	0.035	0.034
Solar PV (MWp)											30.000
BESS (MWH)											30.000
Energy Sales (MWH)	18,568	18,258	21,649	33,321	38,212	43,294	75,975	89,062	93,617	98,173	102,728
Gross Generation (MWH)	19,817	18,912	22,311	34,243	39,003	43,953	76,790	89,878	94,433	98,988	103,543
Operating Hours	8	8	8	16	16	16	24	24	24	24	24

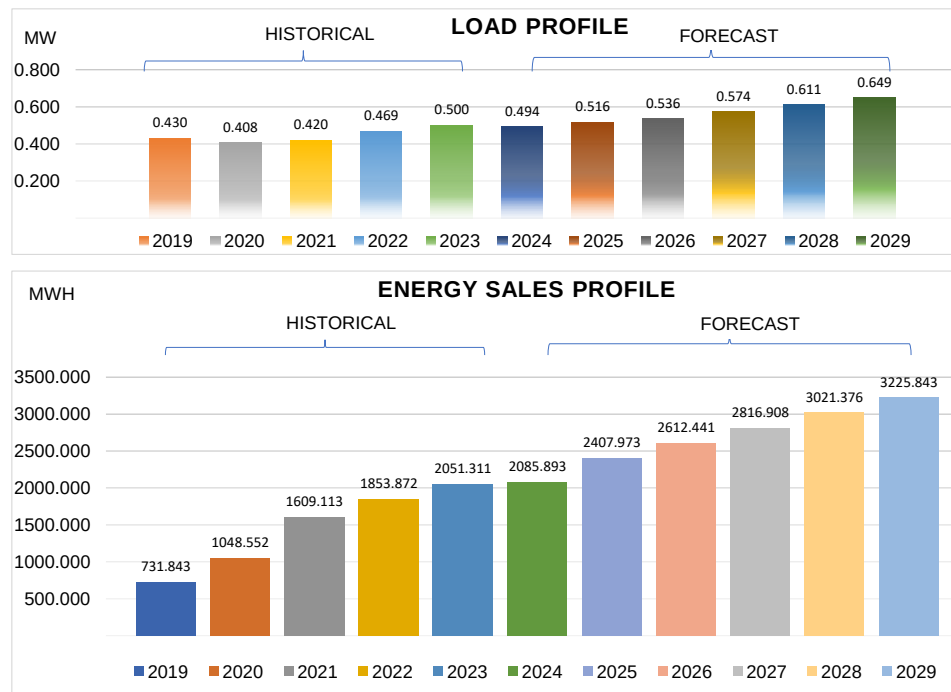
MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALONGBONG HEPP
Name of Plant Head:	ANGELIE LUZ T. BARBA
Address:	Brgy. Sibacungan, Bato,
Contact No.:	0908-181-8812
Email Address:	altbarba@napocor.gov.ph
Distribution Utility:	FICELCO
Number of Barangays:	315
Number of Households (2020 CENSUS):	2410
Number of Energized Households	60160
Percentage of Energization	2496%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	1.700	1.700	1.350	1.600	1.600	1.600	1.600	1.600			
Existing Rated Capacity (MW)	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800			
Existing Dependable Capacity (MW)	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800			
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800			
Total Installed Capacity (MW)	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800			
Total Dependable Capacity (MW)	0.100	0.100	0.450	0.200	0.200	0.200	0.200	0.200			
Gross Reserve Capacity (MW)	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900			
Dependable Capacity of largest unit (MW)	-0.800	-0.800	-0.450	-0.700	-0.700	-0.700	-0.700	-0.700			
Energy Sales (MWH)	3287.322	1688.740	2307.990	6081.900	5773.712	5919.552	6065.393	6211.233			
Gross Generation (MWH)	3334.173	1719.296	2311.288	6082.836	5773.712	5964.329	6111.272	6258.216			
Operating Hours	24	24	24	24	24	24	24	24			

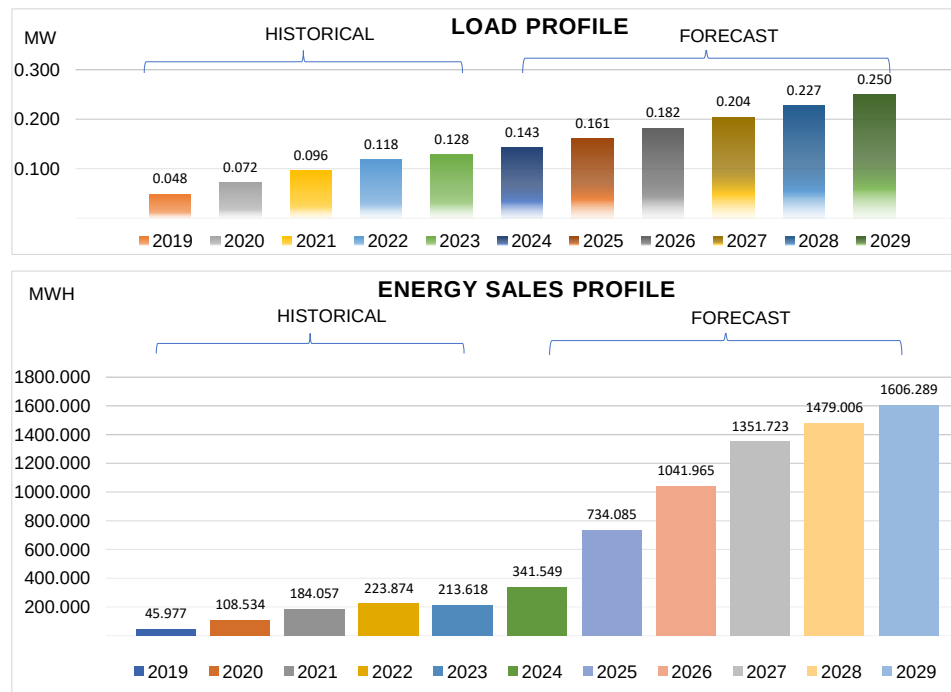
Note: PSA expired on November 2026

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CALAGUAS DPP
Name of Plant Head:	BETHEZEL L. RICACHO
Address:	Sitio Sugod, Brgy. Banocboc,
Contact No.:	0908-867-8410
Email Address:	blricacho@napocor.gov.ph
Distribution Utility:	CANORECO
Number of Barangays:	3
Number of Households (2020 CENSUS):	1447
Number of Energized Households	885
Percentage of Energization	61%

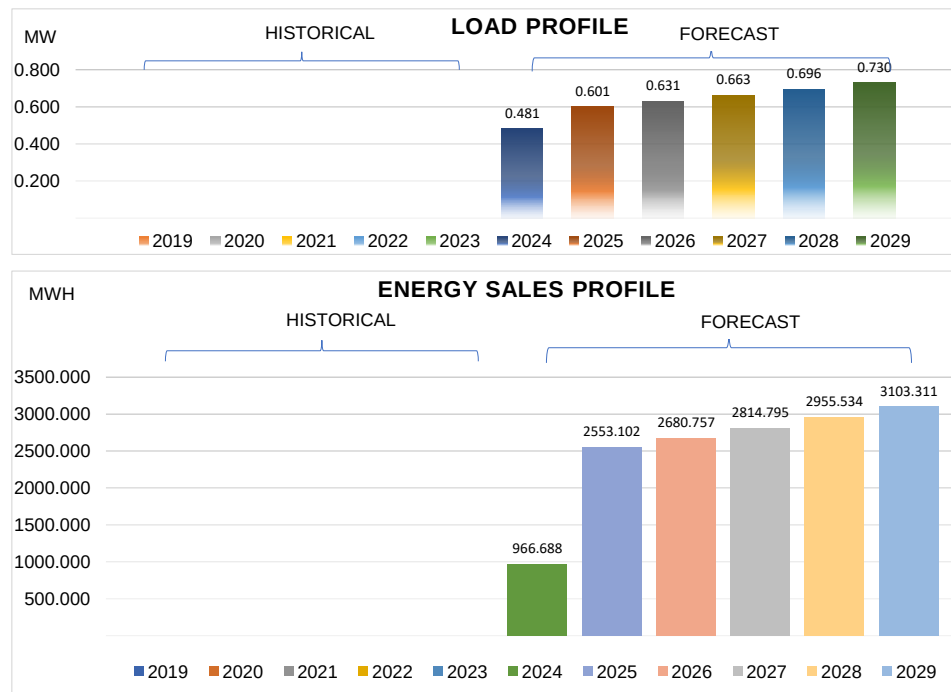


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.048	0.072	0.096	0.118	0.128	0.143	0.161	0.182	0.204	0.227	0.250
Existing Rated Capacity (MW)	0.170	0.170	0.170	0.170	0.333	0.483	0.483	0.483	0.483	0.483	0.483
Existing Dependable Capacity (MW)	0.170	0.170	0.170	0.170	0.310	0.440	0.440	0.440	0.440	0.440	0.440
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.170	0.170	0.170	0.333	0.483	0.483	0.483	0.483	0.483	0.483	0.483
Total Dependable Capacity (MW)	0.170	0.170	0.170	0.310	0.440	0.440	0.440	0.440	0.440	0.440	0.440
Gross Reserve Capacity (MW)	0.108	0.098	0.074	0.192	0.312	0.298	0.279	0.258	0.236	0.213	0.190
Dependable Capacity of largest unit (MW)	0.080	0.090	0.090	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
Net Reserve Capacity (MW)	0.028	0.008	-0.016	0.052	0.172	0.158	0.139	0.118	0.096	0.073	0.050
Solar PV (MWp)									250.000		
BESS (MWH)									170.000		
Energy Sales (MWH)	45.977	108.534	184.057	223.874	213.618	341.549	734.085	1,041.965	1,351.723	1,479.006	1,606.289
Gross Generation (MWH)	46.006	109.261	187.061	227.619	222.124	355.581	726.146	1,034.026	1,343.784	1,471.067	1,598.350
Operating Hours	8	8	8	8	8	16	16	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CLAVERIA DPP
Name of Plant Head:	MARIA EDA M. SARMIENTO
Address:	Sitio Kilapad, Brgy. Poblacion II,
Contact No.:	0939-423-3842
Email Address:	memsarmiento@napocor.gov.ph
Distribution Utility:	#N/A
Number of Barangays:	9
Number of Households (2020 CENSUS):	#N/A
Number of Energized Households	2299
Percentage of Energization	#N/A

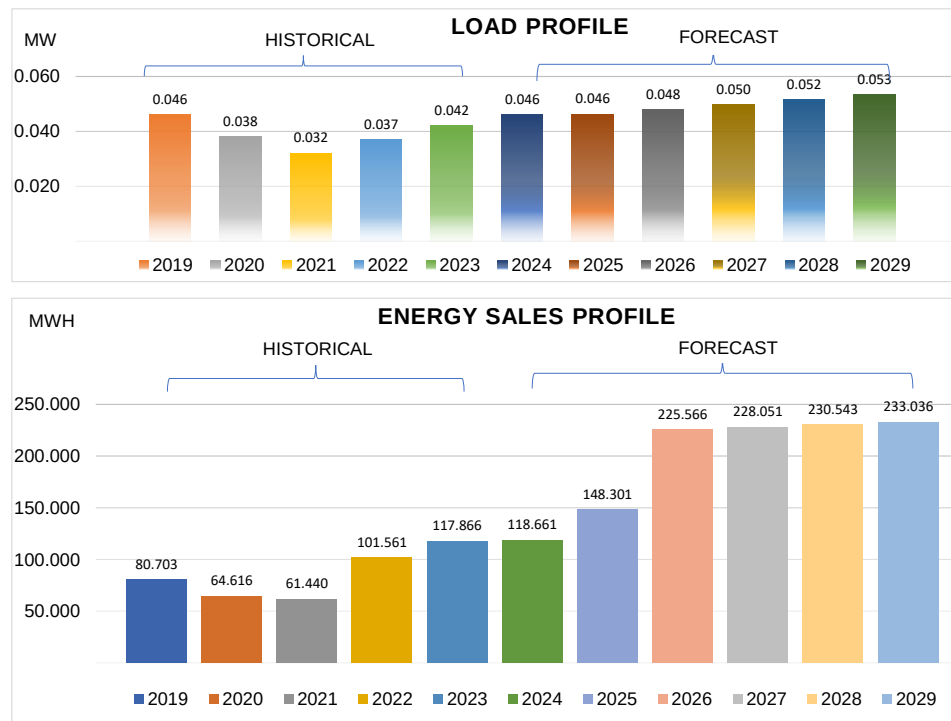


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.481	0.601	0.631	0.663	0.696	0.730
Existing Rated Capacity (MW)						2.820	2.820	2.820	2.820	2.820	2.820
Existing Dependable Capacity (MW)						1.890	1.890	1.890	1.890	1.890	1.890
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)						2.820	2.820	2.820	2.820	2.820	2.820
Total Dependable Capacity (MW)						1.890	1.890	1.890	1.890	1.890	1.890
Gross Reserve Capacity (MW)						1.409	1.289	1.259	1.227	1.194	1.160
Dependable Capacity of largest unit (MW)						0.900	0.900	0.900	0.900	0.900	0.900
Net Reserve Capacity (MW)						0.509	0.389	0.359	0.327	0.294	0.260
Solar PV (MWp)										575.000	
BESS (MWH)										385.000	
Energy Sales (MWH)						966.688	2553.102	2680.757	2814.795	2955.534	3103.311
Gross Generation (MWH)						995.210	2632.064	2763.667	2901.850	3046.943	3199.290
Operating Hours						15	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CHICO DPP
Name of Plant Head:	MENANDRO T. BACOLOD
Address:	Brgy. Chico, Chico Island, Cawayan,
Contact No.:	0928-839-1938
Email Address:	mtbacolod@napocor.gov.ph
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	526
Number of Energized Households	284
Percentage of Energization	54%

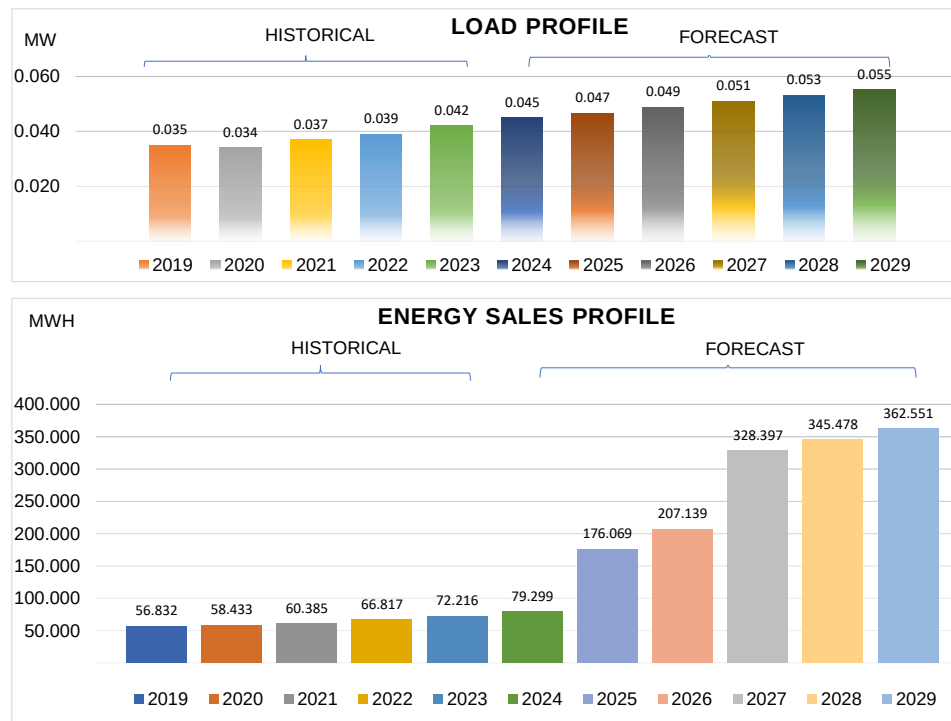


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.046	0.038	0.032	0.037	0.042	0.046	0.046	0.048	0.050	0.052	0.053
Existing Rated Capacity (MW)	0.140	0.140	0.225	0.225	0.225	0.425	0.425	0.425	0.425	0.425	0.425
Existing Dependable Capacity (MW)	0.133	0.133	0.184	0.183	0.183	0.383	0.383	0.383	0.383	0.383	0.383
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.140	0.140	0.225	0.225	0.425	0.425	0.425	0.425	0.425	0.425	0.425
Total Dependable Capacity (MW)	0.133	0.133	0.184	0.183	0.383	0.383	0.383	0.383	0.383	0.383	0.383
Gross Reserve Capacity (MW)	0.087	0.095	0.152	0.146	0.341	0.337	0.337	0.335	0.333	0.331	0.330
Dependable Capacity of largest unit (MW)	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)	-0.018	-0.010	0.047	0.041	0.236	0.232	0.232	0.230	0.228	0.226	0.225
Solar PV (MWp)									65.000		
BESS (MWH)									30.000		
Energy Sales (MWH)	80.703	64.616	61.440	101.561	117.866	118.661	148.301	225.566	228.051	230.543	233.036
Gross Generation (MWH)	82.697	64.995	61.876	102.487	118.955	119.286	149.545	226.884	229.442	232.009	234.575
Operating Hours	8	8	8	16	16	16	16	24	24	24	24

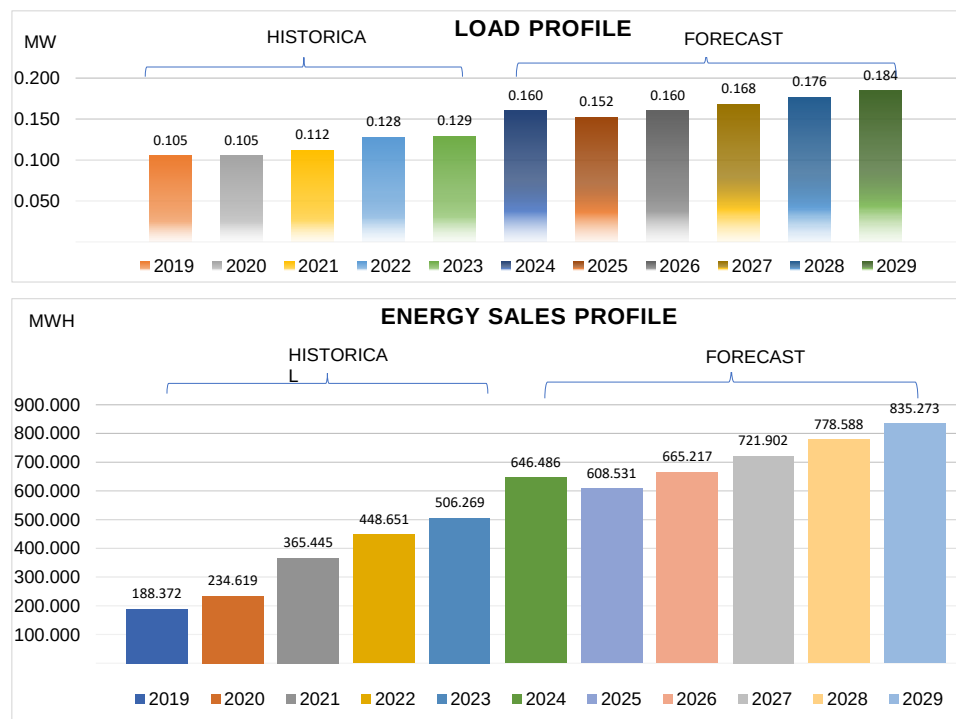


MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	DANCALAN DPP
Name of Plant Head:	CARLOS S. LUMAGAS
Address:	Brgy. Dancalan, Burias Island, San
Contact No.:	0927-576-0997
Email Address:	jenicav.delacruz@gmail.com
Distribution Utility:	LGU-San Pascual
Number of Barangays:	2
Number of Households (2020 CENSUS):	669
Number of Energized Households	225
Percentage of Energization	34%



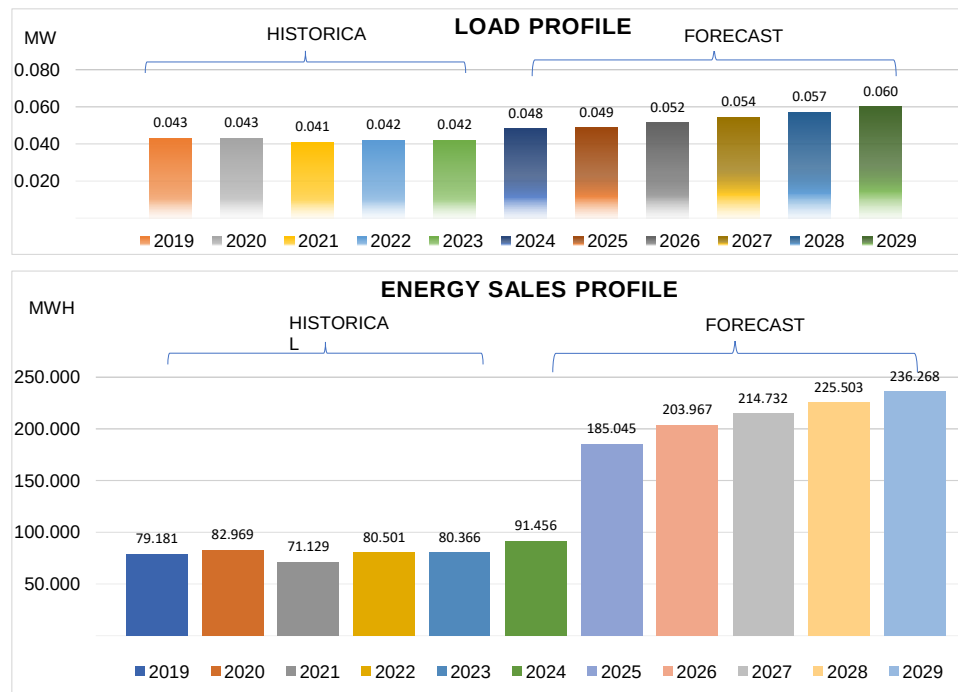
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.035	0.034	0.037	0.039	0.042	0.045	0.047	0.049	0.051	0.053	0.055
Existing Rated Capacity (MW)	0.215	0.215	0.265	0.265	0.265	0.265	0.365	0.365	0.365	0.365	0.365
Existing Dependable Capacity (MW)	0.170	0.170	0.210	0.210	0.210	0.210	0.280	0.280	0.280	0.280	0.280
Capacity Addition (MW)					0.100						
Dependable Capacity of Add. unit (MW)					0.070						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.185	0.185	0.235	0.265	0.265	0.365	0.365	0.365	0.365	0.365	0.365
Total Dependable Capacity (MW)	0.170	0.170	0.210	0.210	0.210	0.280	0.280	0.280	0.280	0.280	0.280
Gross Reserve Capacity (MW)	0.135	0.136	0.173	0.171	0.168	0.235	0.233	0.231	0.229	0.227	0.225
Dependable Capacity of largest unit (MW)	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Solar PV (MWp)	0.030	0.031	0.0680	0.066	0.063	0.130	0.128	0.126	0.124	0.122	0.120
BESS (MWH)										80.000	
Net Reserve Capacity (MW)										60.000	
Energy Sales (MWH)	56.832	58.433	60.385	66.817	72.216	79.299	176.069	207.139	328.397	345.478	362.551
Gross Generation (MWH)	57.085	58.698	61.463	70.562	75.869	82.955	177.274	208.371	329.656	346.765	363.864
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

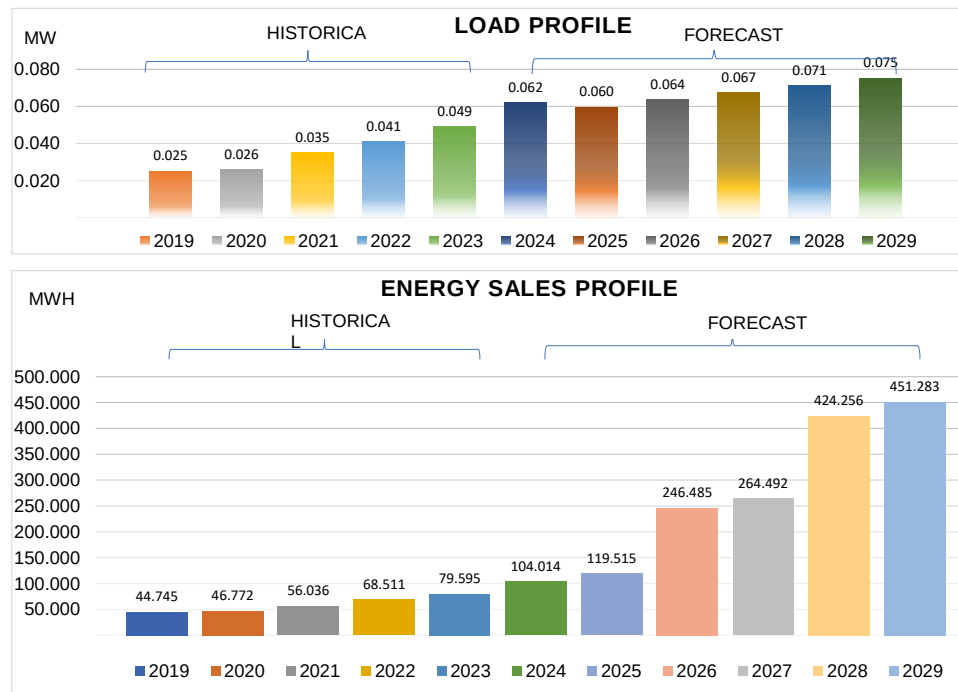
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GUINAWAYAN DPP
Name of Plant Head:	MENANDRO T. BACOLOD
Address:	Brgy. Guin-awayan, Placer, Masbate
Contact No.:	0928-839-1938
Email Address:	mtbacolod@napocor.gov.ph
Distribution Utility:	MASELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	361
Number of Energized Households	390
Percentage of Energization	108%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.043	0.043	0.041	0.042	0.042	0.048	0.049	0.052	0.054	0.057	0.060
Existing Rated Capacity (MW)	0.175	0.175	0.190	0.190	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Existing Dependable Capacity (MW)	0.115	0.139	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.175	0.175	0.190	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Total Dependable Capacity (MW)	0.115	0.139	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
Gross Reserve Capacity (MW)	0.072	0.096	0.142	0.141	0.141	0.135	0.134	0.131	0.129	0.126	0.123
Dependable Capacity of largest unit (MW)	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)	-0.033	-0.009	0.037	0.036	0.036	0.030	0.029	0.026	0.024	0.021	0.018
Solar PV (MWp)										75.000	
BESS (MWH)										60.000	
Energy Sales (MWH)	79.181	82.969	71.129	80.501	80.366	91.456	185.045	203.967	214.732	225.503	236.268
Gross Generation (MWH)	80.422	83.360	71.529	80.985	80.843	91.408	185.563	204.510	215.301	226.098	236.889
Operating Hours	8	8	8	8	8	8	16	16	16	16	16

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MABABANGBAYBAY DPP
Name of Plant Head:	CARLOS S. LUMAGAS
Address:	Brgy. Mababangbaybay, Burias
Contact No.:	0927-576-0999
Email Address:	jenicav.delacruz@gmail.com
Distribution Utility:	Claveria ES
Number of Barangays:	2
Number of Households (2020 CENSUS):	378
Number of Energized Households	370
Percentage of Energization	98%



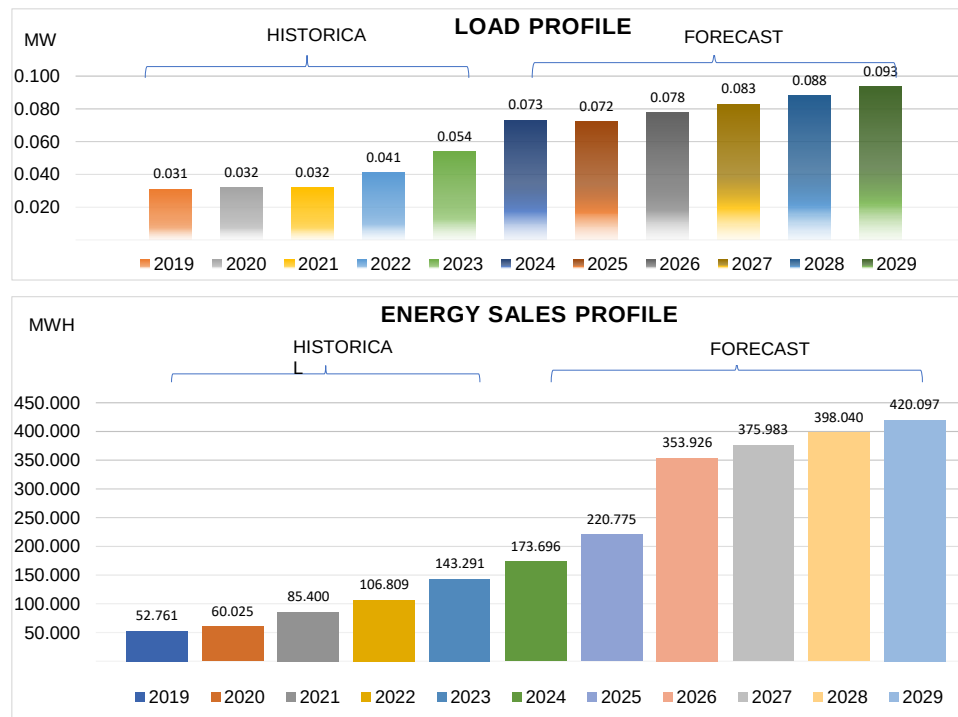
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.025	0.026	0.035	0.041	0.049	0.062	0.060	0.064	0.067	0.071	0.075
Existing Rated Capacity (MW)	0.060	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
Existing Dependable Capacity (MW)	0.050	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.060	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
Total Dependable Capacity (MW)	0.050	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130
Gross Reserve Capacity (MW)	0.025	0.104	0.095	0.089	0.081	0.068	0.070	0.067	0.063	0.059	0.055
Dependable Capacity of largest unit (MW)	0.050	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.025	0.024	0.015	0.009	0.001	-0.012	-0.010	-0.014	-0.017	-0.021	-0.025
Solar PV (MWp)										105.000	
BESS (MWH)										60.000	
Energy Sales (MWH)	44.745	46.772	56.036	68.511	79.595	104.014	119.515	246.485	264.492	424.256	451.283
Gross Generation (MWH)	45.392	47.127	56.926	72.070	83.462	110.939	120.432	247.435	265.475	425.272	452.331
Operating Hours	8	8	8	8	8	8	8	16	16	24	24

Note: Incoming transfer of 1x42kW from Polo DPP and 1x90kW Genset from Lahuy DPP



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MALAKING ILOG DPP
Name of Plant Head:	CARLOS S. LUMAGAS
Address:	Brgy. Malaking Ilog, Burias Island,
Contact No.:	0927-576-0998
Email Address:	jenicav.delacruz@gmail.com
Distribution Utility:	LGU-San Pascual
Number of Barangays:	2
Number of Households (2020 CENSUS):	413
Number of Energized Households	472
Percentage of Energization	114%



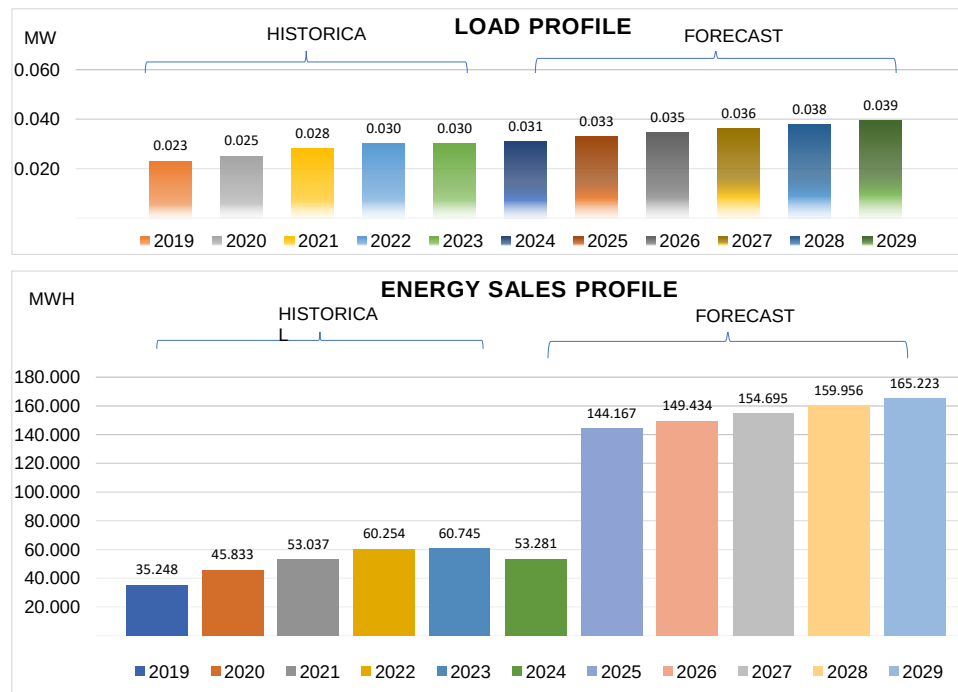
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.031	0.032	0.032	0.041	0.054	0.073	0.072	0.078	0.083	0.088	0.093
Existing Rated Capacity (MW)	0.060	0.140	0.303	0.303	0.303	0.303	0.403	0.403	0.403	0.403	0.403
Existing Dependable Capacity (MW)	0.050	0.130	0.230	0.230	0.230	0.230	0.210	0.210	0.210	0.210	0.210
Capacity Addition (MW)					0.100						
Dependable Capacity of Add. unit (MW)					0.070						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.060	0.140	0.303	0.303	0.303	0.403	0.403	0.403	0.403	0.403	0.403
Total Dependable Capacity (MW)	0.050	0.130	0.230	0.230	0.230	0.210	0.210	0.210	0.210	0.210	0.210
Gross Reserve Capacity (MW)	0.019	0.098	0.198	0.189	0.176	0.137	0.138	0.132	0.127	0.122	0.117
Dependable Capacity of largest unit (MW)	0.050	0.050	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Net Reserve Capacity (MW)	-0.031	0.048	0.098	0.089	0.076	0.037	0.038	0.032	0.027	0.022	0.017
Solar PV (MWp)								70.000			
BESS (MWH)								70.000			
Energy Sales (MWH)	52.761	60.025	85.400	106.809	143.291	173.696	220.775	353.926	375.983	398.040	420.097
Gross Generation (MWH)	53.070	60.538	86.626	111.470	147.199	182.201	222.189	355.367	377.451	399.535	421.619
Operating Hours	8	16	16	16	16	16	16	24	24	24	24

Note: Unit 3 - Non Operational due to the defective fan blade.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

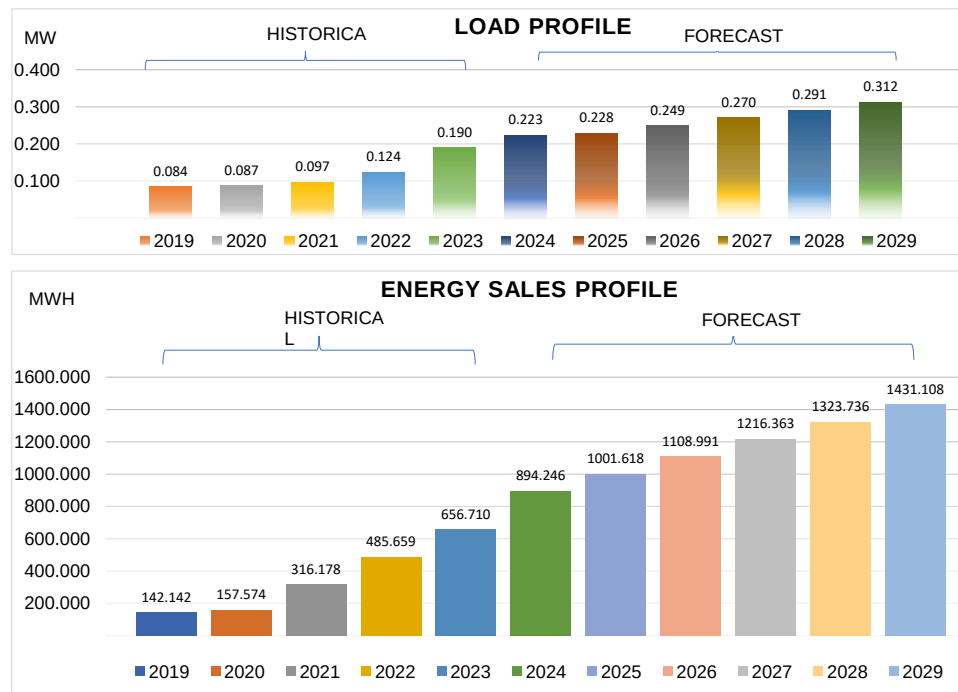
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	NABUCTOT DPP
Name of Plant Head:	MENANDRO T. BACOLOD
Address:	Brgy. Nabuctot, Placer, Masbate
Contact No.:	0928-839-1938
Email Address:	mtbacolod@napocor.gov.ph
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	293
Number of Energized Households	223
Percentage of Energization	76%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.023	0.025	0.028	0.030	0.030	0.031	0.033	0.035	0.036	0.038	0.039
Existing Rated Capacity (MW)	0.025	0.075	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
Existing Dependable Capacity (MW)	0.022	0.072	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.025	0.075	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
Total Dependable Capacity (MW)	0.022	0.072	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Gross Reserve Capacity (MW)	-0.001	0.047	0.092	0.090	0.090	0.089	0.087	0.085	0.084	0.082	0.081
Dependable Capacity of largest unit (MW)	0.021	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)	-0.022	-0.003	0.042	0.040	0.040	0.039	0.037	0.035	0.034	0.032	0.031
Solar PV (MWp)										60.000	
BESS (MWH)										20.000	
Energy Sales (MWH)	35.248	45.833	53.037	60.254	60.745	53.281	144.167	149.434	154.695	159.956	165.223
Gross Generation (MWH)	36.304	46.183	53.437	60.681	61.133	53.194	144.546	149.831	155.110	160.390	165.675
Operating Hours	8	8	8	8	8	8	16	16	16	16	16

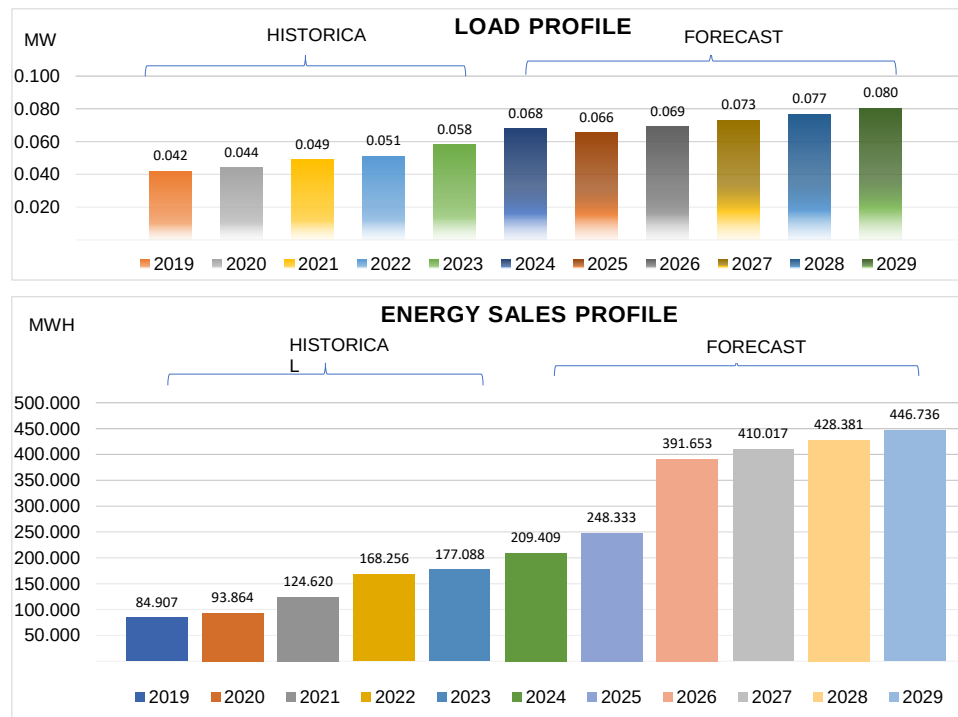
MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	NARO DPP
Name of Plant Head:	ANDREI VON C. TORREVILLAS
Address:	Sitio Bantigue, Naro Island,
Contact No.:	0908-181-8716
Email Address:	avctorrevillas@napocor.gov.ph
Distribution Utility:	MASELCO
Number of Barangays:	4
Number of Households (2020 CENSUS):	1869
Number of Energized Households	1415
Percentage of Eneraization	76%

[illegible]

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	OSMEÑA DPP
Name of Plant Head:	JEANMAR S. ESTRADA
Address:	Brgy. Osmeña, Burias Island,
Contact No.:	0969-036-5928
Email Address:	retamar@napocor.gov.ph
Distribution Utility:	Claveria ES
Number of Barangays:	1
Number of Households (2020 CENSUS):	612
Number of Energized Households	481
Percentage of Energization	79%

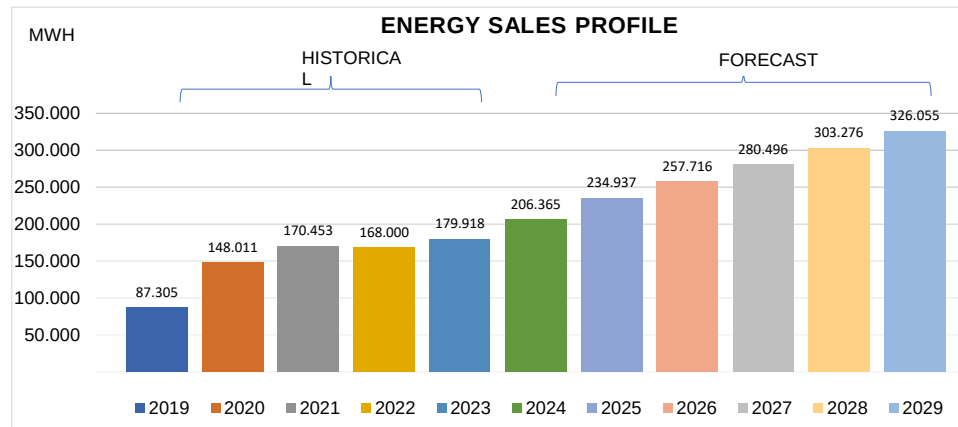
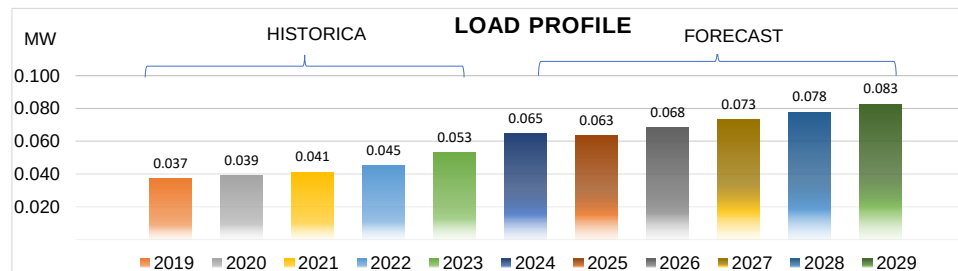


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.042	0.044	0.049	0.051	0.058	0.068	0.066	0.069	0.073	0.077	0.080
Existing Rated Capacity (MW)	0.215	0.215	0.378	0.378	0.378	0.378	0.378	0.478	0.478	0.478	0.478
Existing Dependable Capacity (MW)	0.170	0.170	0.205	0.270	0.270	0.270	0.270	0.340	0.340	0.340	0.340
Capacity Addition (MW)						0.100					
Dependable Capacity of Add. unit (MW)						0.070					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.215	0.215	0.378	0.378	0.378	0.378	0.478	0.478	0.478	0.478	0.478
Total Dependable Capacity (MW)	0.170	0.170	0.205	0.270	0.270	0.270	0.340	0.340	0.340	0.340	0.340
Gross Reserve Capacity (MW)	0.128	0.126	0.156	0.219	0.212	0.202	0.274	0.271	0.267	0.263	0.260
Dependable Capacity of largest unit (MW)	0.080	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)	0.048	0.021	0.051	0.114	0.107	0.097	0.169	0.166	0.162	0.158	0.155
Solar PV (MWp)							60.000				
BESS (MWH)							60.000				
Energy Sales (MWH)	84.907	93.864	124.620	168.256	177.088	209.409	248.333	391.653	410.017	428.381	446.736
Gross Generation (MWH)	85.251	94.103	127.029	178.948	184.745	217.199	249.911	393.254	411.641	430.028	448.407
Operating Hours	8	8	16	16	16	16	16	24	24	24	24

Note: Unit 1 Non operational due to observed leakage in the cylinder head, incoming 1x100kW Capacity addition

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

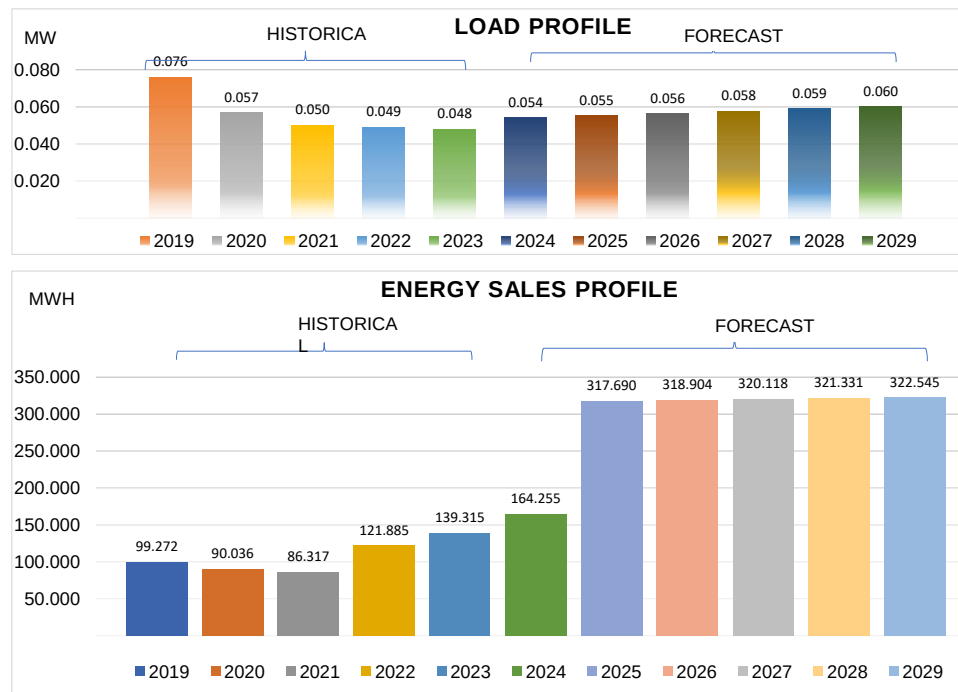
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PALUMBANES DPP
Name of Plant Head:	LEOPOLDO T. PANTI
Address:	Brgy. Toytoy, Caramoran,
Contact No.:	0908-181-9630
Email Address:	ltpanti@napocor.gov.ph
Distribution Utility:	FICELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	0
Number of Energized Households	178
Percentage of Energization	#DIV/0!

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PEÑA DPP
Name of Plant Head:	MENANDRO T. BACOLOD
Address:	Brgy. Peña, Cawayan, Masbate
Contact No.:	0928-839-1938
Email Address:	mtbacolod@napocor.gov.ph
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	567
Number of Energized Households	328
Percentage of Energization	58%

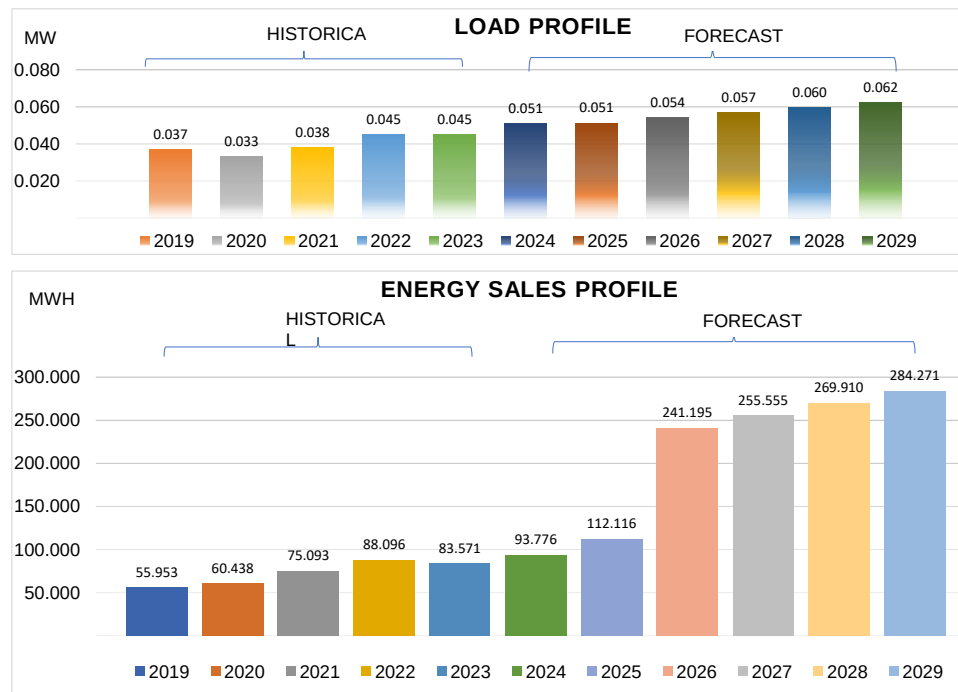


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.076	0.057	0.050	0.049	0.048	0.054	0.055	0.056	0.058	0.059	0.060
Existing Rated Capacity (MW)	0.090	0.170	0.270	0.270	0.350	0.450	0.450	0.450	0.450	0.450	0.450
Existing Dependable Capacity (MW)	0.072	0.152	0.252	0.252	0.332	0.432	0.432	0.432	0.432	0.432	0.432
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.090	0.170	0.270	0.350	0.450	0.450	0.450	0.450	0.450	0.450	0.450
Total Dependable Capacity (MW)	0.072	0.152	0.252	0.332	0.432	0.432	0.432	0.432	0.432	0.432	0.432
Gross Reserve Capacity (MW)	-0.004	0.095	0.202	0.283	0.384	0.378	0.377	0.376	0.374	0.373	0.372
Dependable Capacity of largest unit (MW)	0.072	0.080	0.080	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Net Reserve Capacity (MW)	-0.076	0.015	0	0	0.284	0.278	0.277	0.276	0.274	0.273	0.272
Solar PV (MWp)									65.000		
BESS (MWH)									60.000		
Energy Sales (MWH)	99.272	90.036	86.317	121.885	139.315	164.255	317.690	318.904	320.118	321.331	322.545
Gross Generation (MWH)	101.002	90.503	86.859	122.814	140.078	165.129	318.549	319.810	321.072	322.333	323.594
Operating Hours	8	8	8	16	16	16	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PEÑAFRANCIA DPP
Name of Plant Head:	JEANMAR S. ESTRADA
Address:	Brgy. Peñafrancia, Burias Island,
Contact No.:	0969-036-5929
Email Address:	retamar@napocor.gov.ph
Distribution Utility:	Claveria ES
Number of Barangays:	2
Number of Households (2020 CENSUS):	274
Number of Energized Households	272
Percentage of Energization	99%

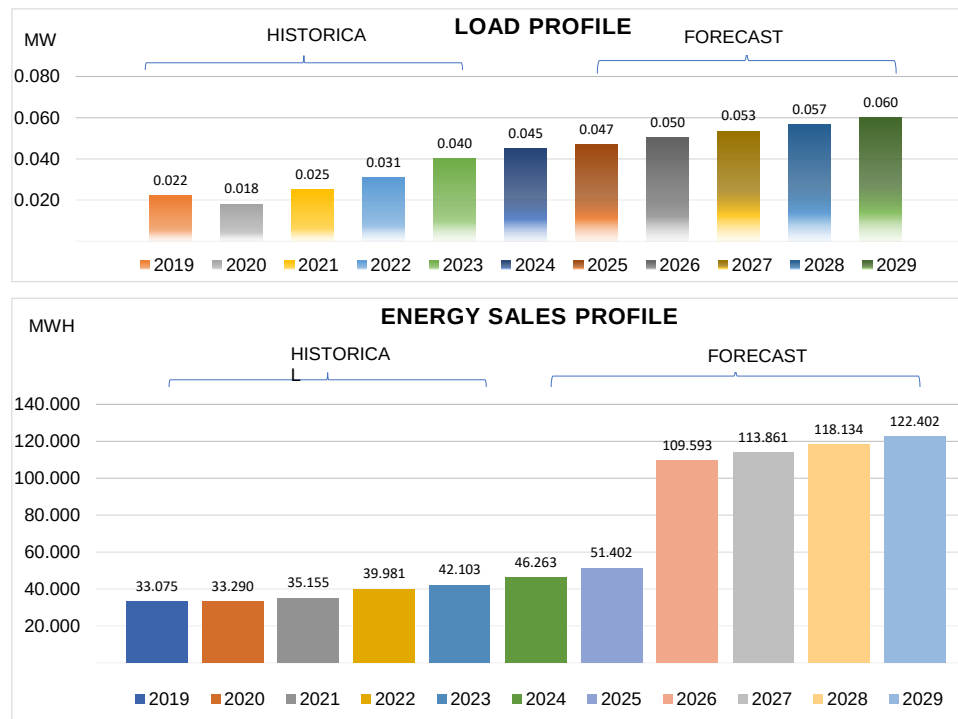


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.037	0.033	0.038	0.045	0.045	0.051	0.051	0.054	0.057	0.060	0.062
Existing Rated Capacity (MW)	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.315	0.315	0.315	0.315
Existing Dependable Capacity (MW)	0.145	0.170	0.170	0.170	0.170	0.170	0.170	0.240	0.240	0.240	0.240
Capacity Addition (MW)						0.100					
Dependable Capacity of Add. unit (MW)						0.070					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.215	0.215	0.215	0.215	0.215	0.215	0.315	0.315	0.315	0.315	0.315
Total Dependable Capacity (MW)	0.145	0.170	0.170	0.170	0.170	0.170	0.240	0.240	0.240	0.240	0.240
Gross Reserve Capacity (MW)	0.108	0.137	0.132	0.125	0.125	0.119	0.189	0.186	0.183	0.180	0.178
Dependable Capacity of largest unit (MW)	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)	0.003	0.032	0.027	0.020	0.020	0.014	0.084	0.081	0.078	0.075	0.073
Solar PV (MWp)										80.000	
BESS (MWH)										30.000	
Energy Sales (MWH)	55.953	60.438	75.093	88.096	83.571	93.776	112.116	241.195	255.555	269.910	284.271
Gross Generation (MWH)	56.167	60.779	96.215	92.766	88.282	98.557	114.718	243.884	258.332	272.775	287.223
Operating Hours	8	8	8	8	8	8	8	16	16	16	16

Note: incoming 1x100kW Capacity addition

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	QUEZON DPP
Name of Plant Head:	JEANMAR S. ESTRADA
Address:	Brgy. Quezon, Burias Island,
Contact No.:	0969-036-5930
Email Address:	retamar@napocor.gov.ph
Distribution Utility:	Claveria ES
Number of Barangays:	1
Number of Households (2020 CENSUS):	327
Number of Energized Households	108
Percentage of Energization	33%

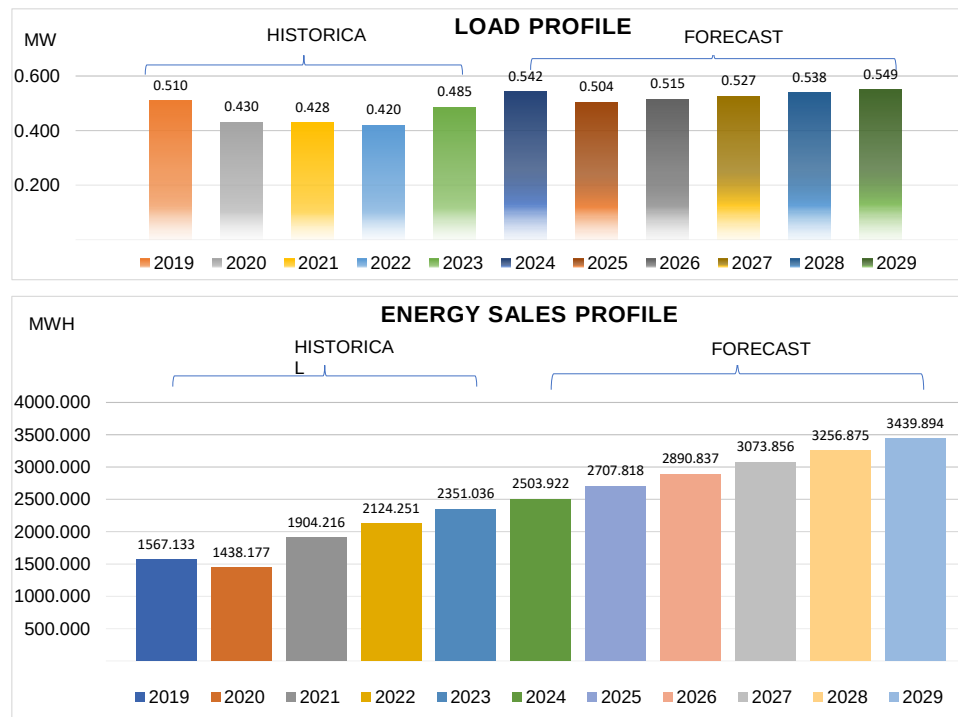


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.022	0.018	0.025	0.031	0.040	0.045	0.047	0.050	0.053	0.057	0.060
Existing Rated Capacity (MW)	0.060	0.140	0.140	0.140	0.140	0.140	0.140	0.240	0.240	0.240	0.240
Existing Dependable Capacity (MW)	0.050	0.130	0.140	0.130	0.130	0.130	0.130	0.200	0.200	0.200	0.200
Capacity Addition (MW)						0.100					
Dependable Capacity of Add. unit (MW)						0.070					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.060	0.140	0.140	0.140	0.140	0.140	0.240	0.240	0.240	0.240	0.240
Total Dependable Capacity (MW)	0.050	0.130	0.140	0.130	0.130	0.130	0.200	0.200	0.200	0.200	0.200
Gross Reserve Capacity (MW)	0.028	0.112	0.115	0.099	0.090	0.085	0.153	0.150	0.147	0.143	0.140
Dependable Capacity of largest unit (MW)	0.050	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.022	0.032	0.035	0.019	0.010	0.005	0.073	0.070	0.067	0.063	0.060
Solar PV (MWp)										50.000	
BESS (MWH)										60.000	
Energy Sales (MWH)	33,075	33,290	35,155	39,981	42,103	46,263	51,402	109,593	113,861	118,134	122,402
Gross Generation (MWH)	33,398	33,675	45,399	44,018	45,172	49,735	53,924	112,227	116,607	120,993	125,373
Operating Hours	8	8	8	8	8	8	8	16	16	16	16

Note: incoming 1x100kW Capacity addition

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	RAPU-RAPU DPP
Name of Plant Head:	REYNALD IAN S. OCTA
Address:	Brgy. Poblacion, Rapu-Rapu, Albay
Contact No.:	0917-144-2699
Email Address:	risocta@napocor.gov.ph
Distribution Utility:	ALECO
Number of Barangays:	13
Number of Households (2020 CENSUS):	0
Number of Energized Households	2140
Percentage of Energization	#DIV/0!



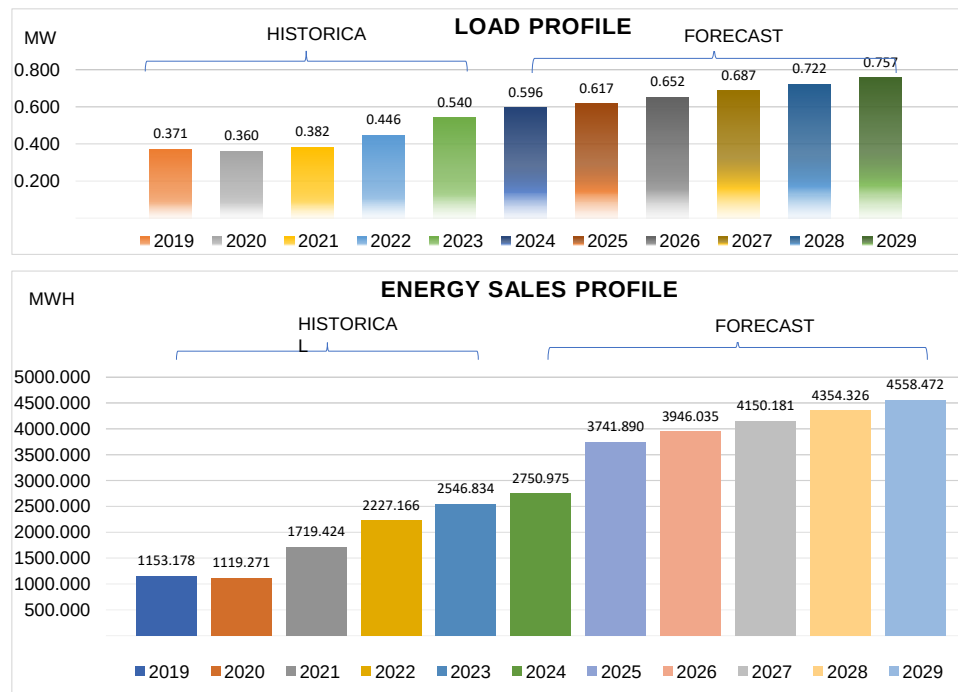
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.510	0.430	0.428	0.420	0.485	0.542	0.504	0.515	0.527	0.538	0.549
Existing Rated Capacity (MW)	1.423	1.423	2.690	2.690	2.690	2.690	2.370	2.370	2.370	2.370	2.370
Existing Dependable Capacity (MW)	1.250	1.250	1.360	1.360	2.010	2.260	1.900	1.900	1.900	1.900	1.900
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.423	1.423	2.690	2.690	2.690	2.370	2.370	2.370	2.370	2.370	2.370
Total Dependable Capacity (MW)	1.250	1.250	1.360	2.010	2.260	1.900	1.900	1.900	1.900	1.900	1.900
Gross Reserve Capacity (MW)	0.740	0.820	0.932	1.590	1.775	1.358	1.396	1.385	1.373	1.362	1.351
Dependable Capacity of largest unit (MW)	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450
Net Reserve Capacity (MW)	0.290	0.370	0.482	1.140	1.325	0.908	0.946	0.935	0.923	0.912	0.901
Solar PV (MWp)						500.000					
BESS (MWH)						120.000					
Energy Sales (MWH)	1567.133	1438.177	1904.216	2124.251	2351.036	2503.922	2707.818	2890.837	3073.856	3256.875	3439.894
Gross Generation (MWH)	1734.159	1612.771	2031.221	2227.432	2487.415	2616.826	2756.710	2929.449	3102.188	3274.927	3447.666
Operating Hours	16	16	24	24	24	24	24	24	24	24	24

Note: Unit 2 - Non operational due to damaged rocker arm and cylinder head



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN PASCUAL DPP
Name of Plant Head:	JEANMAR S. ESTRADA
Address:	Brgy. Terraplin, San Pascual,
Contact No.:	0969-036-5928
Email Address:	jsestrada@napocor.gov.ph
Distribution Utility:	LGU-San Pascual
Number of Barangays:	11
Number of Households (2020 CENSUS):	8754
Number of Energized Households	3970
Percentage of Energization	45%



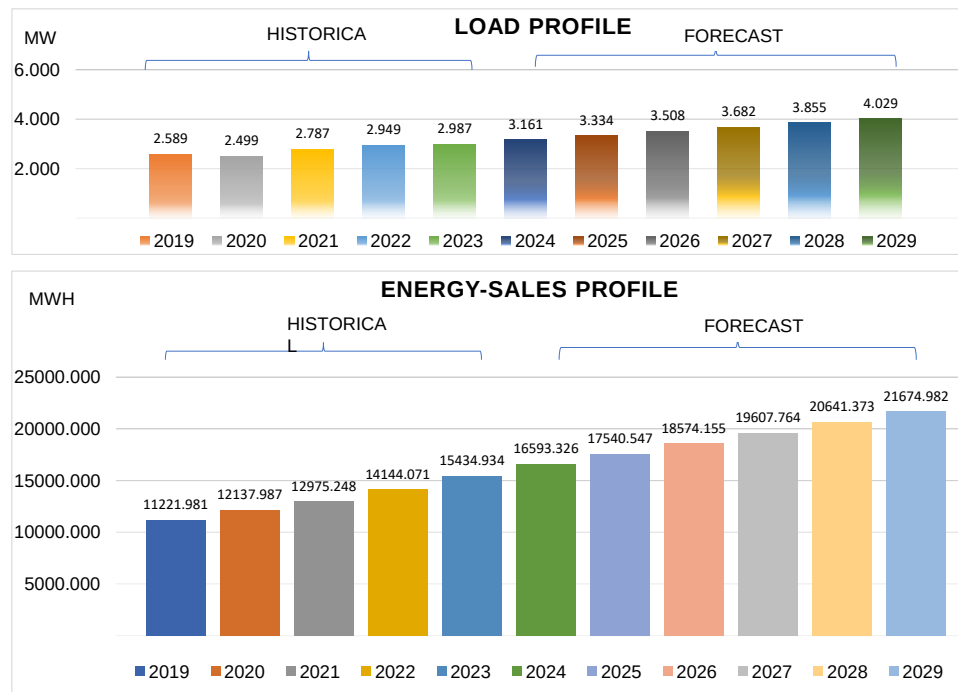
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.371	0.360	0.382	0.446	0.540	0.596	0.617	0.652	0.687	0.722	0.757
Existing Rated Capacity (MW)	1.380	1.680	2.780	2.780	2.270	2.270	2.270	2.270	2.270	2.270	2.270
Existing Dependable Capacity (MW)	0.660	1.150	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.380	1.680	2.780	2.270	2.270	2.270	2.270	2.270	2.270	2.270	2.270
Total Dependable Capacity (MW)	0.660	1.150	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Gross Reserve Capacity (MW)	0.289	0.790	1.618	1.554	1.460	1.404	1.383	1.348	1.313	1.278	1.243
Dependable Capacity of largest unit (MW)	0.300	0.350	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Net Reserve Capacity (MW)	-0.011	0.440	1.118	1.054	0.960	0.904	0.883	0.848	0.813	0.778	0.743
Solar PV (MWp)							500.000				
BESS (MWH)							120.000				
Energy Sales (MWH)	1153.178	1119.271	1719.424	2227.166	2546.834	2750.975	3741.890	3946.035	4150.181	4354.326	4558.472
Gross Generation (MWH)	1160.922	1147.129	1765.089	2278.503	2591.082	2809.517	3759.661	3965.100	4170.540	4375.979	4581.419
Operating Hours	16	16	24	24	24	24	24	24	24	24	24

Note: Unit 3 - Non operational due to a defective Engine Control Unit (ECU) / Engine Control Module (ECM). Target date of Restoration 01 June 2025.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TICAO DPP
Name of Power Plant:	TICAO GRID
Name of Plant Head:	MELISSA JANE P. REYES
Contact No.:	0930-259-8156
Email Address:	mjpreyes@napocor.gov.ph
Distribution Utility:	TISELCO
Number of Barangays:	72
Number of Households (2020 CENSUS):	21362
Number of Energized Households	16538
Percentage of Energization	77%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	2.589	2.499	2.787	2.949	2.987	3.161	3.334	3.508	3.682	3.855	4.029
Existing Rated Capacity (MW)	3.338	3.338	3.338	3.898	3.898	6.373	6.373	6.373	6.373	6.373	6.373
Existing Dependable Capacity (MW)	2.340	3.000	2.410	2.630	2.600	5.300	5.300	5.300	5.300	5.300	5.300
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)		0.600	1.000	2.000	1.000	1.000	1.000	1.000	1.000	1.000	2.000
Total Installed Capacity (MW)	3.338	3.938	4.338	5.898	7.373	7.373	7.373	7.373	7.373	7.373	8.373
Total Dependable Capacity (MW)	2.340	3.440	3.410	4.600	6.300	6.300	6.300	6.300	6.300	6.300	7.300
Gross Reserve Capacity (MW)	-0.249	0.941	0.623	1.651	3.313	3.139	2.966	2.792	2.619	2.445	3.271
Dependable Capacity of largest unit (MW)	0.460	0.600	0.600	0.560	0.560	0.500	0.500	0.500	0.500	0.500	0.500
Net Reserve Capacity (MW)	-0.709	0.341	0.023	1.091	2.753	2.639	2.466	2.292	2.119	1.945	2.771
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	11221.981	12137.987	12975.248	14144.071	15434.934	16593.326	17540.547	18574.155	19607.764	20641.373	21674.982
Gross Generation (MWH)	11359.649	12235.314	13109.085	14492.104	14485.658	16695.106	17648.465	18689.480	19730.495	20771.510	21812.525
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: Unit 3 of Ticao DPP - Non - operational due to damaged crankshaft.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>BUTAWANAN SOLAR PV POWER PLANT (WITH ESS)</u>
Name of Plant Head:	N/A
Address:	Butawan, Siruma, Camarines Sur
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	CASURECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	#N/A
Number of Energized Households	0
Percentage of Energization	#N/A

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.016	0.051	0.054	0.056	0.059	0.062
Existing Rated Capacity (MW)						0.080	0.080	0.080	0.080	0.080	0.080
Existing Dependable Capacity (MW)						0.075	0.080	0.080	0.080	0.080	0.080
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)						0.080	0.080	0.080	0.080	0.080	0.080
Total Dependable Capacity (MW)						0.075	0.080	0.080	0.080	0.080	0.080
Gross Reserve Capacity (MW)						0.059	0.029	0.026	0.024	0.021	0.018
Dependable Capacity of largest unit (MW)						0.075	0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)						(0.016)	(0.006)	(0.009)	(0.011)	(0.014)	(0.017)
Solar PV (MWp)							0.040				
BESS (MWh)							0.060				
Energy Sales (MWH)						62.517	118.733	124.512	130.553	136.866	143.441
Gross Generation (MWH)						63.143	119.921	125.757	131.858	138.235	144.875
Operating Hours						8	8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MAROYOGROYOG DPP
Name of Plant Head:	N/A
Address:	Maroyogroyog, Linapacan, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	420
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.036	0.040	0.045	0.051	0.057
Existing Rated Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Gross Reserve Capacity (MW)							(0.001)	(0.005)	(0.010)	(0.016)	(0.022)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.022)	(0.026)	(0.031)	(0.037)	(0.043)
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)							79.867	89.650	100.615	112.906	126.658
Gross Generation (MWH)							80.666	90.546	101.622	114.035	127.925
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PICAL DPP
Name of Plant Head:	N/A
Address:	Pical, Linapacan, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	389
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.006	0.035	0.058	0.071	0.079	0.089
Existing Rated Capacity (MW)						0.040	0.040	0.040	0.040	0.040	0.040
Existing Dependable Capacity (MW)						0.040	0.028	0.028	0.028	0.028	0.028
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)						0.040	0.040	0.040	0.040	0.040	0.040
Total Dependable Capacity (MW)						0.040	0.028	0.028	0.028	0.028	0.028
Gross Reserve Capacity (MW)						0.034	(0.007)	(0.030)	(0.043)	(0.051)	(0.061)
Dependable Capacity of largest unit (MW)						0.020	0.014	0.014	0.014	0.014	0.014
Net Reserve Capacity (MW)						0.014	(0.021)	(0.044)	(0.057)	(0.065)	(0.075)
Solar PV (MWp)											0.050
BESS (MWh)											0.125
Energy Sales (MWH)							78.277	128.740	156.371	175.472	196.846
Gross Generation (MWH)							79.060	130.027	157.935	177.227	198.814
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on December 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	RAMOS DPP
Name of Plant Head:	N/A
Address:	Ramos, Balabac, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	PALECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	658
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.061	0.068	0.076	0.086	0.096
Existing Rated Capacity (MW)							0.040	0.040	0.040	0.040	0.040
Existing Dependable Capacity (MW)							0.028	0.028	0.028	0.028	0.028
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.040	0.040	0.040	0.040	0.040
Total Dependable Capacity (MW)							0.028	0.028	0.028	0.028	0.028
Gross Reserve Capacity (MW)							(0.033)	(0.040)	(0.048)	(0.058)	(0.068)
Dependable Capacity of largest unit (MW)							0.014	0.014	0.014	0.014	0.014
Net Reserve Capacity (MW)							(0.047)	(0.054)	(0.062)	(0.072)	(0.082)
Solar PV (MWp)											0.065
BESS (MWh)											0.160
Energy Sales (MWH)							140.708	157.942	177.262	198.914	223.144
Gross Generation (MWH)							142.115	159.522	179.034	200.904	225.375
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on April 2025



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BUTAWANAN SOLAR PV
Name of Plant Head:	N/A
Address:	Butawan, Siruma, Camarines Sur
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	CASURECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	#N/A
Number of Energized Households	0
Percentage of Energization	#N/A

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.026	0.029	0.033	0.038	0.043
Existing Rated Capacity (MW)							0.040	0.040	0.040	0.040	0.040
Existing Dependable Capacity (MW)							0.028	0.028	0.028	0.028	0.028
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.040	0.040	0.040	0.040	0.040
Total Dependable Capacity (MW)							0.028	0.028	0.028	0.028	0.028
Gross Reserve Capacity (MW)							0.002	(0.001)	(0.005)	(0.010)	(0.015)
Dependable Capacity of largest unit (MW)							0.014	0.014	0.014	0.014	0.014
Net Reserve Capacity (MW)							(0.012)	(0.015)	(0.019)	(0.024)	(0.029)
Solar PV (MWp)											0.035
BESS (MWh)											0.080
Energy Sales (MWH)							60.026	68.106	77.273	87.675	99.477
Gross Generation (MWH)							60.626	68.787	78.046	88.552	100.472
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>BULALACAO DPP</u>
Name of Plant Head:	N/A
Address:	Bulalacao, Coron, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BISELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	811
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.122	0.152	0.162	0.187	0.229
Existing Rated Capacity (MW)							0.250	0.250	0.250	0.250	0.250
Existing Dependable Capacity (MW)							0.175	0.175	0.175	0.175	0.175
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.250	0.250	0.250	0.250	0.250
Total Dependable Capacity (MW)							0.175	0.175	0.175	0.175	0.175
Gross Reserve Capacity (MW)							0.053	0.023	0.013	(0.012)	(0.054)
Dependable Capacity of largest unit (MW)							0.070	0.070	0.070	0.070	0.070
Net Reserve Capacity (MW)							(0.017)	(0.047)	(0.057)	(0.082)	(0.124)
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)							270.671	337.582	360.160	413.777	507.115
Gross Generation (MWH)							273.378	340.958	363.762	417.915	512.186
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CABUGAO DPP
Name of Plant Head:	N/A
Address:	Cabugao, Coron, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BISELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	639
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.034	0.067	0.091	0.102	0.114
Existing Rated Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Gross Reserve Capacity (MW)							0.001	(0.032)	(0.056)	(0.067)	(0.079)
Dependable Capacity of largest unit (MW)							0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)							(0.034)	(0.067)	(0.091)	(0.102)	(0.114)
Solar PV (MWp)											0.110
BESS (MWh)											0.280
Energy Sales (MWH)							75.344	147.666	200.883	225.421	252.879
Gross Generation (MWH)							76.097	149.143	202.892	227.675	255.408
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GREEN ISLAND DPP
Name of Plant Head:	N/A
Address:	Green Island, Tumarbong, Roxas, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	PALECO
Number of Barangays:	(Sitio)
Number of Households (2020 CENSUS):	NO DATA
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.061	0.068	0.076	0.086	0.096
Existing Rated Capacity (MW)							0.150	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)							0.105	0.105	0.105	0.105	0.105
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)							0.105	0.105	0.105	0.105	0.105
Gross Reserve Capacity (MW)							0.044	0.037	0.029	0.019	0.009
Dependable Capacity of largest unit (MW)							0.053	0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)							(0.008)	(0.016)	(0.024)	(0.033)	(0.044)
Solar PV (MWp)											0.170
BESS (MWh)											0.430
Energy Sales (MWH)							140.755	157.927	177.194	198.811	223.066
Gross Generation (MWH)							142.162	159.506	178.966	200.800	225.297
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SEBARING DPP
Name of Plant Head:	N/A
Address:	Sebaring, Balabac, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	PALECO
Number of Barangays:	2
Number of Households (2020 CENSUS):	243
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.042	0.046
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										(0.007)	(0.011)
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.042)	(0.046)
Solar PV (MWp)										0.097	
BESS (MWh)										0.242	
Energy Sales (MWH)										24.456	106.604
Gross Generation (MWH)										24.700	107.670
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	COCORO DPP
Name of Plant Head:	N/A
Address:	Cocoro, Magsaysay, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	PALECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	305
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.027	0.030
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										0.008	0.005
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.027)	(0.030)
Solar PV (MWp)										0.121	
BESS (MWh)										0.303	
Energy Sales (MWH)										15.803	68.886
Gross Generation (MWH)										15.961	69.575
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CANIPO DPP
Name of Plant Head:	N/A
Address:	Canipo, Magsaysay, Palawan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	PALECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	245
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.022	0.024
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										0.013	0.011
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.022)	(0.024)
Solar PV (MWp)										0.097	
BESS (MWh)										0.244	
Energy Sales (MWH)										12.694	55.335
Gross Generation (MWH)										12.948	56.441
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CALUTCOT DPP
Name of Plant Head:	N/A
Address:	Calutcot, Burdeos, Quezon
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	QUEZELCO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	520
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.046	0.051	0.055	0.060	0.066
Existing Rated Capacity (MW)							0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)							0.070	0.070	0.070	0.070	0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)							0.070	0.070	0.070	0.070	0.070
Gross Reserve Capacity (MW)							0.024	0.019	0.015	0.010	0.004
Dependable Capacity of largest unit (MW)							0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)							(0.011)	(0.016)	(0.020)	(0.025)	(0.031)
Solar PV (MWp)							0.060				
BESS (MWh)							0.060				
Energy Sales (MWH)							107.293	117.312	128.247	140.180	153.162
Gross Generation (MWH)							108.366	118.485	129.530	141.582	154.694
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BABUYAN CLARO DPP
Name of Plant Head:	N/A
Address:	Babuyan Claro, Calayan, Cagayan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	CAGELCO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	409
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.036	0.042	0.049	0.057	0.067
Existing Rated Capacity (MW)							0.040	0.040	0.040	0.040	0.040
Existing Dependable Capacity (MW)							0.028	0.028	0.028	0.028	0.028
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.040	0.040	0.040	0.040	0.040
Total Dependable Capacity (MW)							0.028	0.028	0.028	0.028	0.028
Gross Reserve Capacity (MW)							(0.008)	(0.014)	(0.021)	(0.029)	(0.039)
Dependable Capacity of largest unit (MW)							0.014	0.014	0.014	0.014	0.014
Net Reserve Capacity (MW)							(0.022)	(0.028)	(0.035)	(0.043)	(0.053)
Solar PV (MWp)											0.110
BESS (MWh)											0.270
Energy Sales (MWH)							83.151	97.314	113.874	133.231	155.831
Gross Generation (MWH)							83.982	98.287	115.012	134.563	157.389
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	DIBAY-DILAM DPP
Name of Plant Head:	N/A
Address:	Dibay, Calayan, Cagayan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	CAGELCO II
Number of Barangays:	2
Number of Households (2020 CENSUS):	866
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.048	0.059	0.073	0.091	0.113
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							(0.006)	(0.017)	(0.031)	(0.049)	(0.071)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.027)	(0.038)	(0.052)	(0.070)	(0.092)
Solar PV (MWp)											0.130
BESS (MWh)											0.325
Energy Sales (MWH)							110.666	137.325	170.380	211.361	262.118
Gross Generation (MWH)							111.773	138.698	172.084	213.474	264.739
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>GUINLUTHANGAN DPP</u>
Name of Plant Head:	N/A
Address:	Guinluthangan, Milagros, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	172
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.018	0.020
Existing Rated Capacity (MW)										0.030	0.030
Existing Dependable Capacity (MW)										0.021	0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.030	0.030
Total Dependable Capacity (MW)										0.021	0.021
Gross Reserve Capacity (MW)										0.003	0.001
Dependable Capacity of largest unit (MW)										0.021	0.021
Net Reserve Capacity (MW)										(0.018)	(0.020)
Solar PV (MWp)										0.068	
BESS (MWh)										0.171	
Energy Sales (MWH)										10.185	46.791
Gross Generation (MWH)										10.287	47.259
Operating Hours										8	8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>CAGMASOSO DPP</u>
Name of Plant Head:	N/A
Address:	Cagmasoso, Mandaon, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	125
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.013
Existing Rated Capacity (MW)											0.030
Existing Dependable Capacity (MW)											0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.030
Total Dependable Capacity (MW)											0.021
Gross Reserve Capacity (MW)											0.008
Dependable Capacity of largest unit (MW)											0.021
Net Reserve Capacity (MW)											(0.013)
Solar PV (MWp)											0.050
BESS (MWh)											0.124
Energy Sales (MWH)											7.532
Gross Generation (MWH)											7.682
Operating Hours											8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	POLO DACU DPP
Name of Plant Head:	N/A
Address:	Polo Dacu, Mandaon, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	296
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.031
Existing Rated Capacity (MW)											0.050
Existing Dependable Capacity (MW)											0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.050
Total Dependable Capacity (MW)											0.035
Gross Reserve Capacity (MW)											0.004
Dependable Capacity of largest unit (MW)											0.035
Net Reserve Capacity (MW)											(0.031)
Solar PV (MWp)											0.118
BESS (MWh)											0.294
Energy Sales (MWH)											17.835
Gross Generation (MWH)											18.013
Operating Hours											8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>NAGARAO DPP</u>
Name of Plant Head:	N/A
Address:	Nagarao, Placer, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	167
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.017
Existing Rated Capacity (MW)											0.030
Existing Dependable Capacity (MW)											0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.030
Total Dependable Capacity (MW)											0.021
Gross Reserve Capacity (MW)											0.004
Dependable Capacity of largest unit (MW)											0.021
Net Reserve Capacity (MW)											(0.017)
Solar PV (MWp)											0.066
BESS (MWh)											0.166
Energy Sales (MWH)											40.249
Gross Generation (MWH)											40.651
Operating Hours											8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	COBRE DPP
Name of Plant Head:	N/A
Address:	Cobre Island, Peña, Cawayan, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	(Sitio)
Number of Households (2020 CENSUS):	NO DATA
Number of Energized Households	57
Percentage of Energization	N/A

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.010
Existing Rated Capacity (MW)											0.020
Existing Dependable Capacity (MW)											0.014
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.020
Total Dependable Capacity (MW)											0.014
Gross Reserve Capacity (MW)											0.004
Dependable Capacity of largest unit (MW)											0.014
Net Reserve Capacity (MW)											(0.010)
Solar PV (MWp)											0.041
BESS (MWh)											0.174
Energy Sales (MWH)											5.853
Gross Generation (MWH)											5.911
Operating Hours											8

Note: Existing PRES Micro Grid in Masbate. An island sitio.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	DEAGAN HYBRID POWER PLANT
Name of Plant Head:	N/A
Address:	Deagan Island, Magcaraguit, Dimasalang, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	(Sitio)
Number of Households (2020 CENSUS):	NO DATA
Number of Energized Households	Shared with Magcaraguit
Percentage of Energization	N/A

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.018
Existing Rated Capacity (MW)											0.030
Existing Dependable Capacity (MW)											0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.030
Total Dependable Capacity (MW)											0.021
Gross Reserve Capacity (MW)											0.003
Dependable Capacity of largest unit (MW)											0.030
Net Reserve Capacity (MW)											(0.027)
Solar PV (MWp)											0.070
BESS (MWh)											0.174
Energy Sales (MWH)											41.936
Gross Generation (MWH)											42.355
Operating Hours											8

Note: Existing PRES Micro Grid in Masbate. An island sitio.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MAGCARAGUIT DPP
Name of Plant Head:	N/A
Address:	Magcaraguit, Dimasalang, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	290
Number of Energized Households	235
Percentage of Energization	81%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.012	0.014
Existing Rated Capacity (MW)										0.020	0.020
Existing Dependable Capacity (MW)										0.014	0.014
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.020	0.020
Total Dependable Capacity (MW)										0.014	0.014
Gross Reserve Capacity (MW)										0.002	0.000
Dependable Capacity of largest unit (MW)										0.014	0.014
Net Reserve Capacity (MW)										(0.012)	(0.014)
Solar PV (MWp)										0.046	
BESS (MWh)										0.114	
Energy Sales (MWH)										6.869	31.557
Gross Generation (MWH)										6.938	31.872
Operating Hours										8	8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	JINTOTOLO DPP
Name of Plant Head:	N/A
Address:	Jintotolo Island, Balud, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	378
Number of Energized Households	232
Percentage of Energization	61%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.089	0.100	0.112	0.125	0.141
Existing Rated Capacity (MW)							0.300	0.300	0.300	0.300	0.300
Existing Dependable Capacity (MW)							0.210	0.210	0.210	0.210	0.210
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.300	0.300	0.300	0.300	0.300
Total Dependable Capacity (MW)							0.210	0.210	0.210	0.210	0.210
Gross Reserve Capacity (MW)							0.121	0.110	0.098	0.085	0.069
Dependable Capacity of largest unit (MW)							0.105	0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)							0.016	0.005	(0.007)	(0.020)	(0.036)
Solar PV (MWp)											0.310
BESS (MWh)											0.775
Energy Sales (MWH)							51.482	231.153	259.427	291.116	326.577
Gross Generation (MWH)							51.997	233.464	262.021	294.028	329.842
Operating Hours							8	8	8	8	8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAPATOS DPP
Name of Plant Head:	N/A
Address:	Sapatos, Balud, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	151
Number of Energized Households	86
Percentage of Energization	57%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.015	0.018
Existing Rated Capacity (MW)										0.030	0.030
Existing Dependable Capacity (MW)										0.021	0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.030	0.030
Total Dependable Capacity (MW)										0.021	0.021
Gross Reserve Capacity (MW)										0.006	0.003
Dependable Capacity of largest unit (MW)										0.021	0.021
Net Reserve Capacity (MW)										(0.015)	(0.018)
Solar PV (MWp)										0.060	
BESS (MWh)										0.150	
Energy Sales (MWH)										8.942	41.078
Gross Generation (MWH)										9.031	41.489
Operating Hours										8	8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BUGTONG DPP
Name of Plant Head:	N/A
Address:	Bugtong, Pio V. Corpuz (Limbuhan), Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	329
Number of Energized Households	107
Percentage of Energization	33%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.025	0.028
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										0.010	0.007
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.025)	(0.028)
Solar PV (MWp)										0.096	
BESS (MWh)										0.240	
Energy Sales (MWH)										14.271	65.561
Gross Generation (MWH)										14.414	66.217
Operating Hours										8	8

Note: Existing PRES Micro Grid in Masbate. An island barangay.

2023 are actual data except for Energy Sales and Gross Generation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

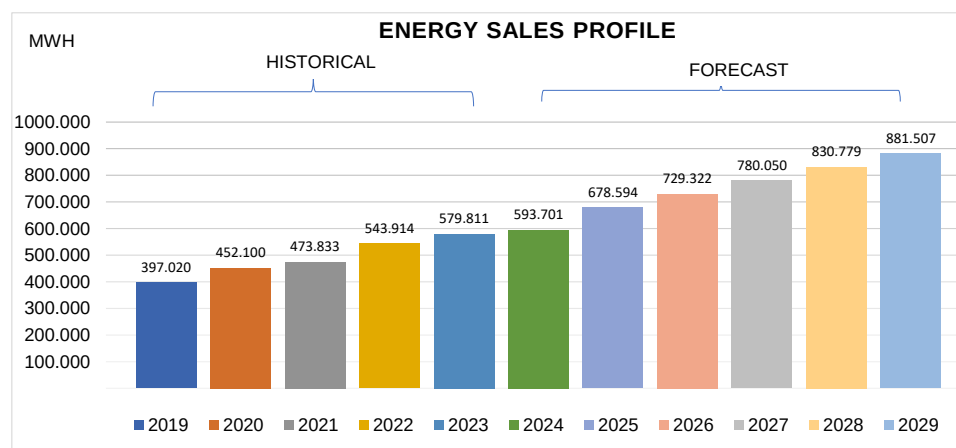
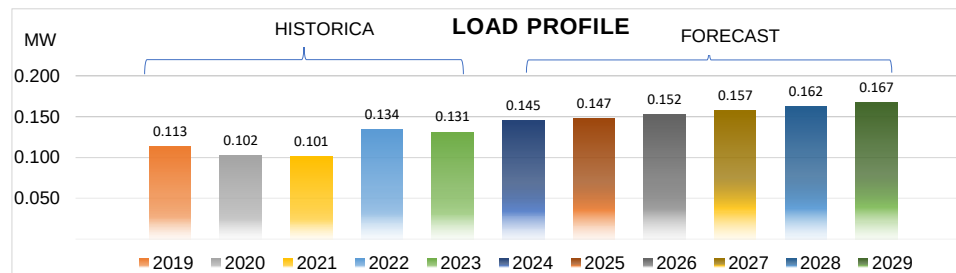
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	INIWARAN DPP
Name of Plant Head:	N/A
Address:	Iniwaran, San Pascual, Masbate
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	MASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	527
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.051	0.059
Existing Rated Capacity (MW)										0.100	0.100
Existing Dependable Capacity (MW)										0.070	0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.100	0.100
Total Dependable Capacity (MW)										0.070	0.070
Gross Reserve Capacity (MW)										0.019	0.011
Dependable Capacity of largest unit (MW)										0.070	0.070
Net Reserve Capacity (MW)										(0.051)	(0.059)
Solar PV (MWp)										0.210	
BESS (MWh)										0.524	
Energy Sales (MWH)										29.720	136.538
Gross Generation (MWH)										30.018	137.903
Operating Hours										8	8

Note:

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ALMAGRO DPP
Name of Plant Head:	GREGORIO G. NAQUINES, JR.
Address:	Brgy. Panjobjoban I, Almagro,
Contact No.:	0921-826-7130
Email Address:	gregnaquines19@gmail.com
Distribution Utility:	SAMELCO I
Number of Barangays:	7
Number of Households (2020 CENSUS):	517
Number of Energized Households	592
Percentage of Energization	115%



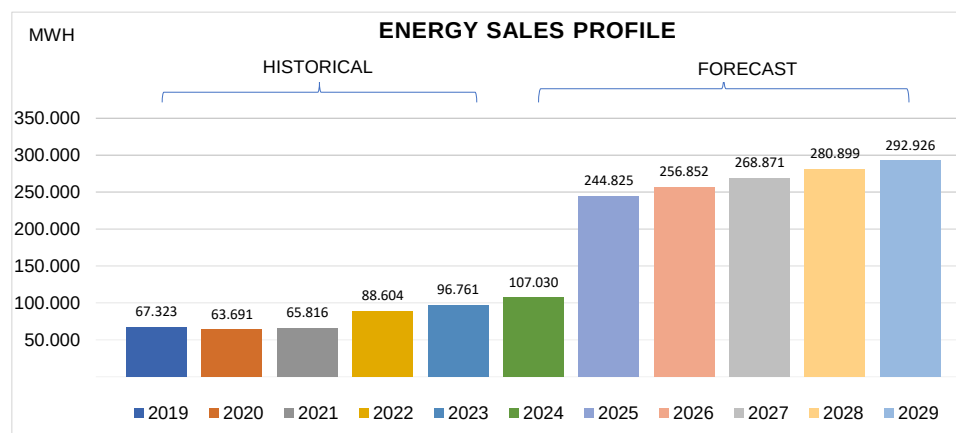
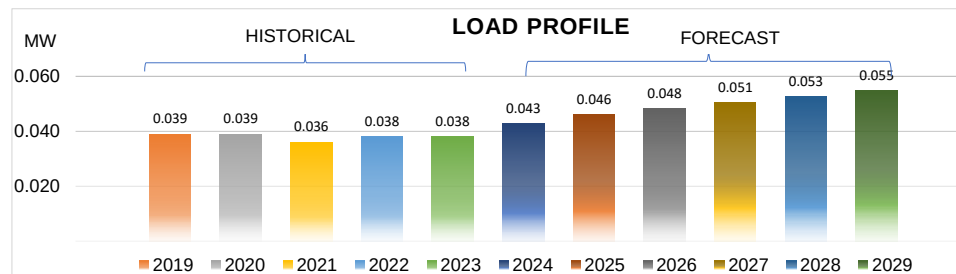
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.113	0.102	0.101	0.134	0.131	0.145	0.147	0.152	0.157	0.162	0.167
Existing Rated Capacity (MW)	0.423	0.423	0.423	0.513	0.513	0.763	0.763	0.763	0.763	0.763	0.763
Existing Dependable Capacity (MW)	0.400	0.290	0.290	0.375	0.375	0.560	0.560	0.560	0.560	0.560	0.560
Capacity Addition (MW)					0.250						
Dependable Capacity of Add. unit (MW)					0.185						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.423	0.423	0.423	0.513	0.763	0.763	0.763	0.763	0.763	0.763	0.763
Total Dependable Capacity (MW)	0.400	0.290	0.290	0.375	0.560	0.560	0.560	0.560	0.560	0.560	0.560
Gross Reserve Capacity (MW)	0.287	0.188	0.189	0.241	0.429	0.415	0.413	0.408	0.403	0.398	0.393
Dependable Capacity of largest unit (MW)	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160
Net Reserve Capacity (MW)	0.127	0.028	0.029	0.081	0.269	0.255	0.253	0.248	0.243	0.238	0.233
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	397.020	452.100	473.833	543.914	579.811	593.701	678.594	729.322	780.050	830.779	881.507
Gross Generation (MWH)	398.688	453.535	474.846	546.500	747.554	666.411	682.024	733.078	784.122	835.166	886.210
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE

Unit 2 - 54kW for non-operational; recommended for decommission.

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BAGONGON DPP
Name of Plant Head:	JUDEE JOSE D. CALOSOR
Address:	Brgy. Bagongon, Catbalogan,
Contact No.:	0908-181-9379
Email Address:	jjdcalosor@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	2
Number of Households (2020 CENSUS):	372
Number of Energized Households	349
Percentage of Energization	94%

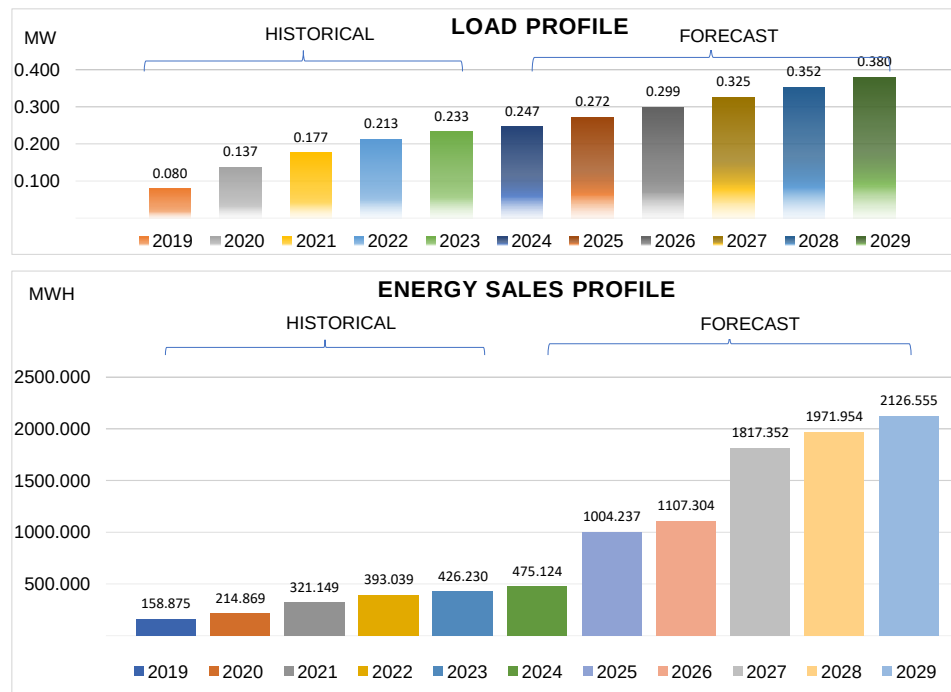


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.039	0.039	0.036	0.038	0.038	0.043	0.046	0.048	0.051	0.053	0.055
Existing Rated Capacity (MW)	0.140	0.140	0.140	0.260	0.260	0.360	0.360	0.360	0.360	0.360	0.360
Existing Dependable Capacity (MW)	0.131	0.131	0.131	0.221	0.221	0.301	0.321	0.321	0.321	0.321	0.321
Capacity Addition (MW)					0.100						
Dependable Capacity of Add. unit (MW)					0.070						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.140	0.140	0.140	0.260	0.360	0.360	0.360	0.360	0.360	0.360	0.360
Total Dependable Capacity (MW)	0.131	0.131	0.131	0.221	0.291	0.321	0.321	0.321	0.321	0.321	0.321
Gross Reserve Capacity (MW)	0.092	0.092	0.095	0.183	0.253	0.278	0.275	0.273	0.270	0.268	0.266
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.012	0.012	0.015	0.103	0.173	0.198	0.195	0.193	0.190	0.188	0.186
Solar PV (MWp)							0.045				
BESS (MWH)							0.060				
Energy Sales (MWH)	67,323	63,691	65,816	88,604	96,761	107,030	244,825	256,852	268,871	280,899	292,926
Gross Generation (MWH)	68,099	69,267	70,877	95,636	106,212	118,490	248,434	260,461	272,480	284,507	296,535
Operating Hours	8	8	8	16	16	16	24	24	24	24	24



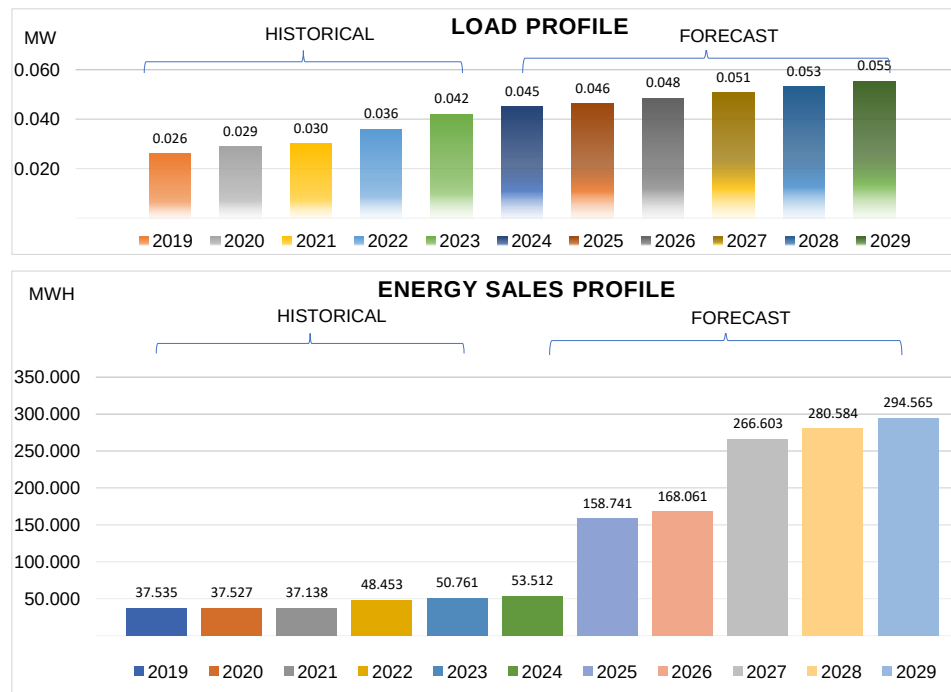
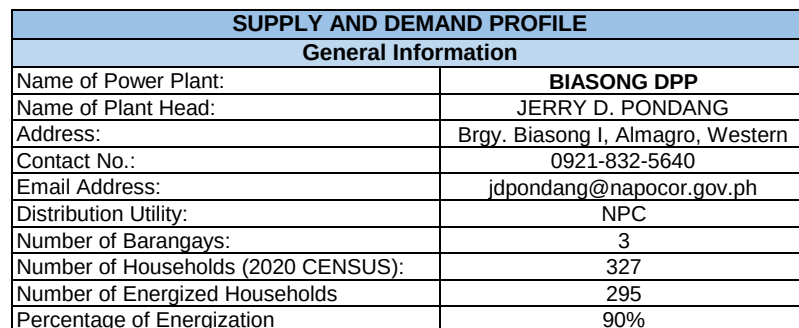
MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BATAG DPP
Name of Plant Head:	GREGORY P. RELLITA
Address:	Brgy. Marubay, Laoang, Northern
Contact No.:	0918-633-5187
Email Address:	gprellita@napocor.gov.ph
Distribution Utility:	NORSAMELCO
Number of Barangays:	6
Number of Households (2020 CENSUS):	1530
Number of Energized Households	1259
Percentage of Energization	82%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.080	0.137	0.177	0.213	0.233	0.247	0.272	0.299	0.325	0.352	0.380
Existing Rated Capacity (MW)	0.130	0.240	0.240	0.448	0.448	0.698	0.698	0.698	0.698	0.698	0.698
Existing Dependable Capacity (MW)	0.123	0.180	0.180	0.325	0.325	0.510	0.445	0.445	0.445	0.445	0.445
Capacity Addition (MW)					0.250						
Dependable Capacity of Add. unit (MW)					0.200						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.130	0.240	0.240	0.448	0.698	0.698	0.698	0.698	0.698	0.698	0.698
Total Dependable Capacity (MW)	0.123	0.180	0.180	0.325	0.525	0.445	0.445	0.445	0.445	0.445	0.445
Gross Reserve Capacity (MW)	0.043	0.043	0.003	0.112	0.292	0.198	0.173	0.146	0.120	0.093	0.065
Dependable Capacity of largest unit (MW)	0.080	0.100	0.100	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Net Reserve Capacity (MW)	-0.038	-0.057	-0.097	-0.008	0.172	0.078	0.053	0.026	-0.000	-0.027	-0.055
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	158.875	214.869	321.149	393.039	426.230	475.124	1004.237	1107.304	1817.352	1971.954	2126.555
Gross Generation (MWH)	161.833	217.381	322.642	403.021	443.202	487.012	1007.826	1110.894	1820.942	1975.543	2130.144
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE
Unit 3 - Non Operational due to a defective actuator

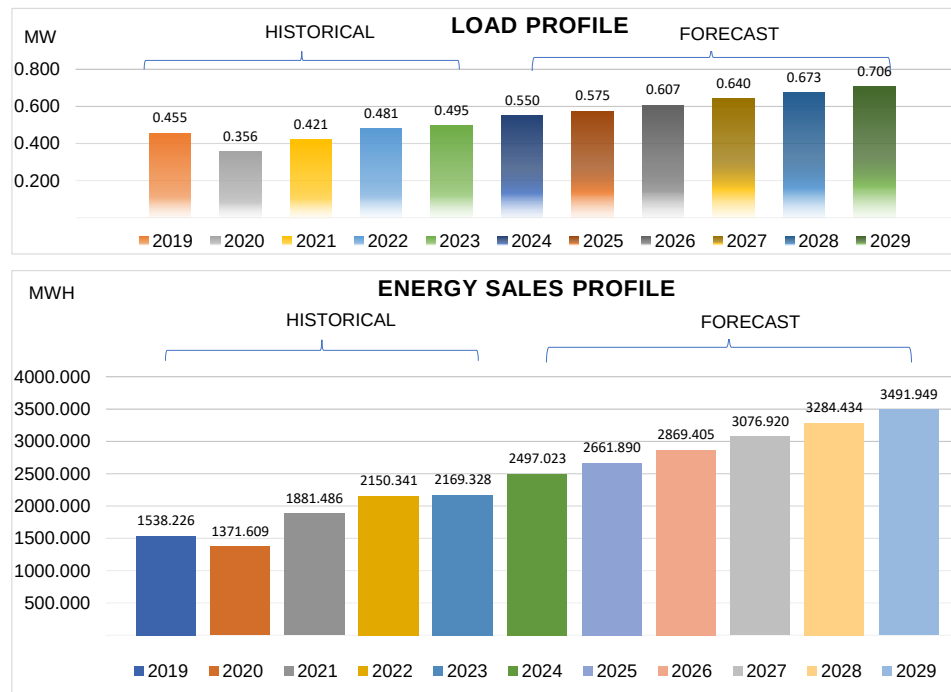


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.026	0.029	0.030	0.036	0.042	0.045	0.046	0.048	0.051	0.053	0.055
Existing Rated Capacity (MW)	0.110	0.110	0.110	0.120	0.120	0.170	0.170	0.170	0.170	0.170	0.170
Existing Dependable Capacity (MW)	0.088	0.088	0.088	0.088	0.088	0.138	0.138	0.138	0.138	0.138	0.138
Capacity Addition (MW)					0.050						
Dependable Capacity of Add. unit (MW)					0.050						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.110	0.110	0.110	0.120	0.170	0.170	0.170	0.170	0.170	0.170	0.170
Total Dependable Capacity (MW)	0.088	0.088	0.088	0.088	0.138	0.138	0.138	0.138	0.138	0.138	0.138
Gross Reserve Capacity (MW)	0.062	0.059	0.058	0.052	0.096	0.093	0.092	0.090	0.087	0.085	0.083
Dependable Capacity of largest unit (MW)	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
Net Reserve Capacity (MW)	0.014	0.011	0.010	0.004	0.048	0.045	0.044	0.042	0.039	0.037	0.035
Solar PV (MWp)								0.060			
BESS (MWH)								0.030			
Energy Sales (MWH)	37.535	37.527	37.138	48.453	50.761	53.512	158.741	168.061	266.603	280.584	294.565
Gross Generation (MWH)	41.412	45.617	44.147	59.291	63.988	67.503	159.782	169.103	267.644	281.625	295.606
Operating Hours	8	8	8	8	8	8	16	16	24	24	24
Note: existing Unit 3 (rated capacity = 60kW) is deactivated/non-operational due to legal issues											



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BIRI DPP
Name of Plant Head:	JOSE P. SUMALINOG
Address:	Brgy. Sto. Niño, Biri, Northern Samar
Contact No.:	0908-181-9361
Email Address:	jpsumalinog@napocor.gov.ph
Distribution Utility:	NORSAMELCO
Number of Barangays:	8
Number of Households (2020 CENSUS):	2269
Number of Energized Households	1756
Percentage of Energization	77%



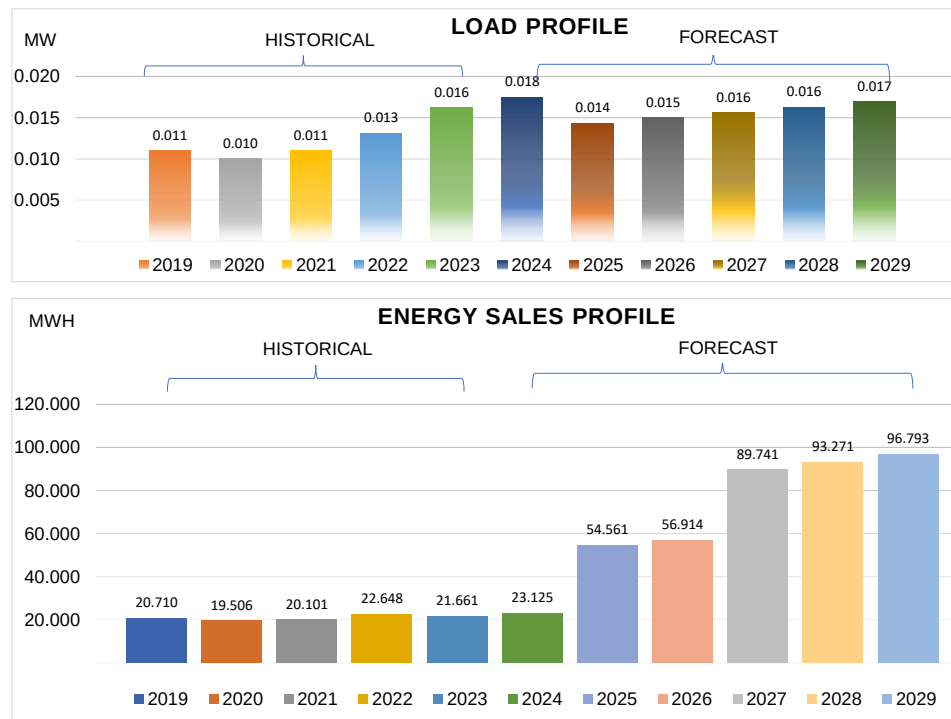
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.455	0.356	0.421	0.481	0.495	0.550	0.575	0.607	0.640	0.673	0.706
Existing Rated Capacity (MW)	0.789	0.989	0.989	0.989	0.989	1.889	1.889	1.889	1.889	1.889	1.889
Existing Dependable Capacity (MW)	0.640	0.820	0.690	0.775	0.775	0.975	1.175	1.175	1.175	1.175	1.175
Capacity Addition (MW)					0.900						
Dependable Capacity of Add. unit (MW)					0.720						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.789	0.989	0.989	0.989	1.889	1.889	1.889	1.889	1.889	1.889	1.889
Total Dependable Capacity (MW)	0.640	0.820	0.690	0.775	1.495	1.175	1.175	1.175	1.175	1.175	1.175
Gross Reserve Capacity (MW)	0.185	0.464	0.269	0.294	1.000	0.625	0.600	0.568	0.535	0.502	0.469
Dependable Capacity of largest unit (MW)	0.250	0.250	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Net Reserve Capacity (MW)	-0.065	0.214	0.029	0.054	0.760	0.385	0.360	0.328	0.295	0.262	0.229
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	1538.226	1371.609	1881.486	2150.341	2169.328	2497.023	2661.890	2869.405	3076.920	3284.434	3491.949
Gross Generation (MWH)	1597.637	1415.807	1918.180	2205.212	2232.987	2548.834	2675.558	2883.072	3090.587	3298.102	3505.616
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Unit 3 and 4 Non operational due to worn out generator bearing and due to a sudden smoke and fire at the generator side



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BULUAN DPP
Name of Plant Head:	JUDEE JOSE D. CALOSOR
Address:	Brgy. Buluan, Catbalogan, Western
Contact No.:	0908-181-9380
Email Address:	jjdcalosor@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	178
Number of Energized Households	166
Percentage of Energization	93%

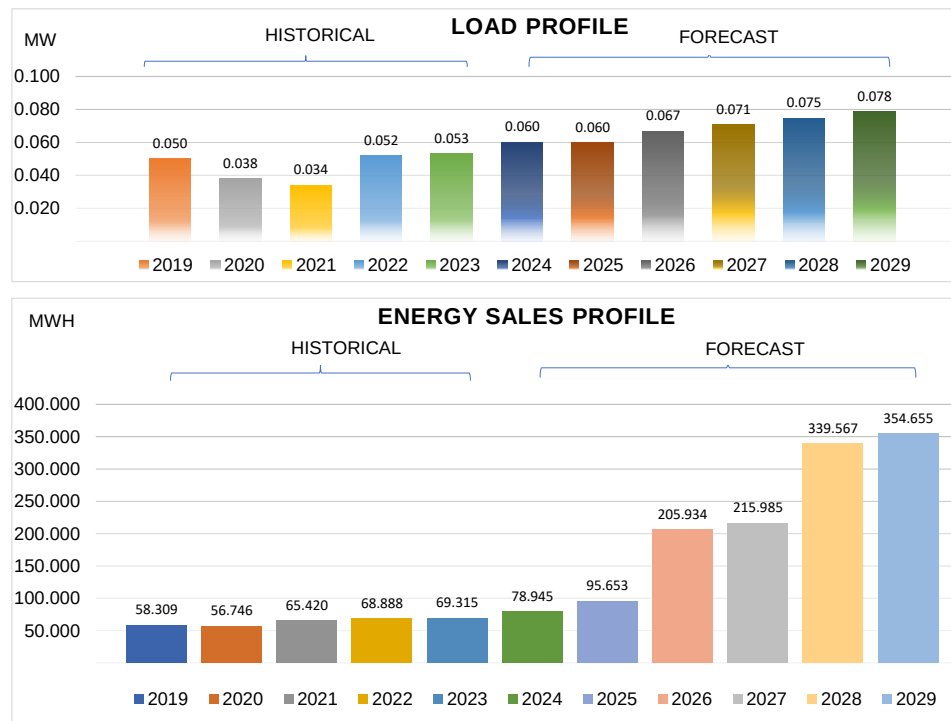


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.011	0.010	0.011	0.013	0.016	0.018	0.014	0.015	0.016	0.016	0.017
Existing Rated Capacity (MW)	0.040	0.040	0.040	0.040	0.040	0.080	0.080	0.080	0.080	0.080	0.080
Existing Dependable Capacity (MW)	0.034	0.034	0.034	0.034	0.034	0.070	0.070	0.070	0.070	0.070	0.070
Capacity Addition (MW)					0.040						
Dependable Capacity of Add. unit (MW)					0.028						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.040	0.040	0.040	0.040	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Total Dependable Capacity (MW)	0.034	0.034	0.034	0.034	0.062	0.070	0.070	0.070	0.070	0.070	0.070
Gross Reserve Capacity (MW)	0.023	0.024	0.023	0.021	0.046	0.053	0.056	0.055	0.054	0.054	0.053
Dependable Capacity of largest unit (MW)	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
Net Reserve Capacity (MW)	-0.011	-0.010	-0.011	-0.013	0.012	0.019	0.022	0.021	0.020	0.020	0.019
Solar PV (MWp)								0.030			
BESS (MWH)								0.030			
Energy Sales (MWH)	20,710	19,506	20,101	22,648	21,661	23,125	54,561	56,914	89,741	93,271	96,793
Gross Generation (MWH)	21.307	22.278	21.319	24.415	24.376	26.616	56.257	58.610	91.437	94.967	98.489
Operating Hours	8	8	8	8	8	8	16	16	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

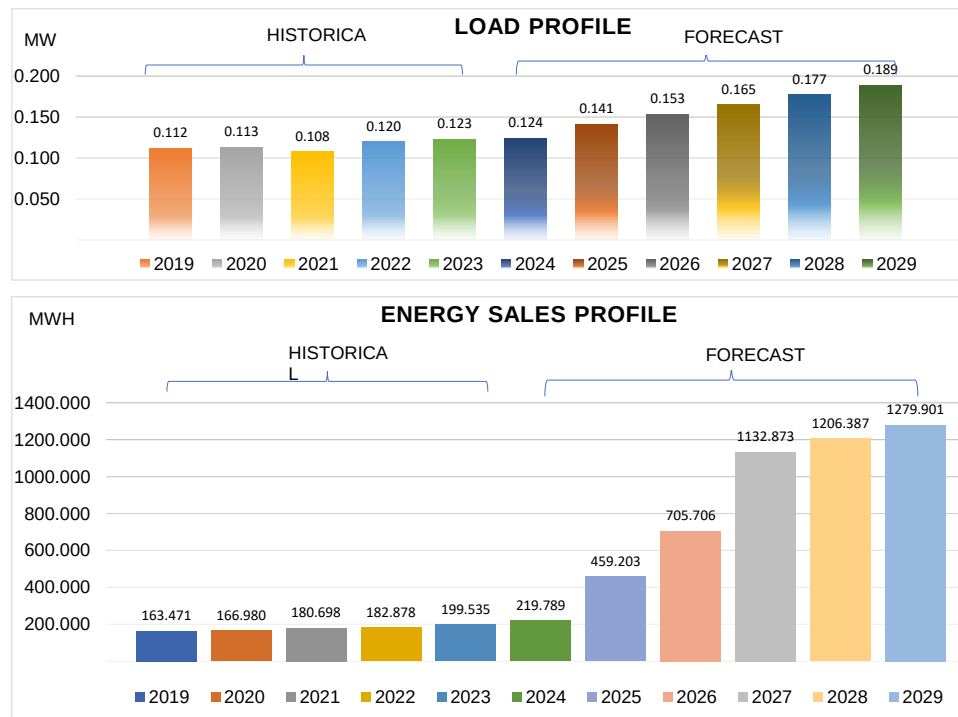
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CABUNGAAN DPP
Name of Plant Head:	ROMMEL B. GUMALO
Address:	Brgy. Cabunga-an, Sto. Niño,
Contact No.:	0908-181-9370
Email Address:	rbgumalo@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	259
Number of Energized Households	443
Percentage of Energization	171%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.050	0.038	0.034	0.052	0.053	0.060	0.060	0.067	0.071	0.075	0.078
Existing Rated Capacity (MW)	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Existing Dependable Capacity (MW)	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Total Dependable Capacity (MW)	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
Gross Reserve Capacity (MW)	0.064	0.076	0.080	0.062	0.061	0.054	0.054	0.047	0.043	0.039	0.036
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Solar PV (MWp)	-0.016	-0.004	-	-0.018	-0.019	-0.026	-0.026	-0.033	-0.037	-0.041	-0.044
BESS (MWH)								0.100			
Net Reserve Capacity (MW)								0.060			
Energy Sales (MWH)	58,309	56,746	65,420	68,888	69,315	78,945	95,653	205,934	215,985	339,567	354,655
Gross Generation (MWH)	59,810	60,708	71,705	73,000	75,629	86,727	96,573	206,894	216,985	340,606	355,735
Operating Hours	8	8	8	8	8	8	8	16	16	24	24

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CAMANDAG DPP
Name of Plant Head:	ROMMEL B. GUMALO
Address:	Brgy. Corocawayan, Sto. Niño,
Contact No.:	0908-181-9370
Email Address:	rbgumalo@napocor.gov.ph
Distribution Utility:	SAMELCO I
Number of Barangays:	6
Number of Households (2020 CENSUS):	937
Number of Energized Households	751
Percentage of Energization	80%



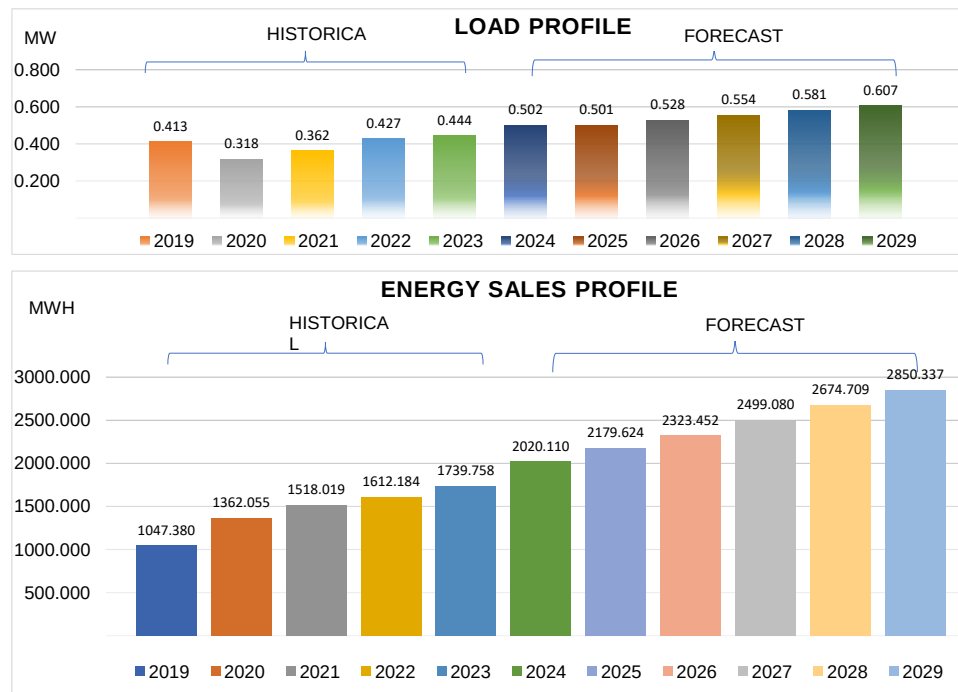
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.112	0.113	0.108	0.120	0.123	0.124	0.141	0.153	0.165	0.177	0.189
Existing Rated Capacity (MW)	0.206	0.206	0.206	0.180	0.180	0.430	0.430	0.430	0.430	0.430	0.430
Existing Dependable Capacity (MW)	0.160	0.160	0.160	0.160	0.160	0.410	0.410	0.410	0.410	0.410	0.410
Capacity Addition (MW)					0.250						
Dependable Capacity of Add. unit (MW)					0.250						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.206	0.206	0.206	0.180	0.430	0.430	0.430	0.430	0.430	0.430	0.430
Total Dependable Capacity (MW)	0.160	0.160	0.160	0.160	0.410	0.410	0.410	0.410	0.410	0.410	0.410
Gross Reserve Capacity (MW)	0.048	0.047	0.052	0.040	0.287	0.286	0.269	0.257	0.245	0.233	0.221
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.180	0.180	0.180	0.180	0.180	0.180	0.180
Net Reserve Capacity (MW)	-0.032	-0.033	-0.028	-0.040	0.107	0.106	0.089	0.077	0.065	0.053	0.041
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	163.471	166.980	180.698	182.878	199.535	219.789	459.203	705.706	1,132.873	1,206.387	1,279.901
Gross Generation (MWH)	164.831	168.368	183.648	184.634	200.941	220.133	460.820	707.323	1,134.490	1,208.004	1,281.518
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CAPUL DPP
Name of Plant Head:	VINCENT N. LAÑAS
Address:	Brgy. 3, Capul, Northern Samar
Contact No.:	0961-860-9198
Email Address:	vnlanas@napocor.gov.ph
Distribution Utility:	NORSAMELCO
Number of Barangays:	12
Number of Households (2020 CENSUS):	2504
Number of Energized Households	2082
Percentage of Energization	83%



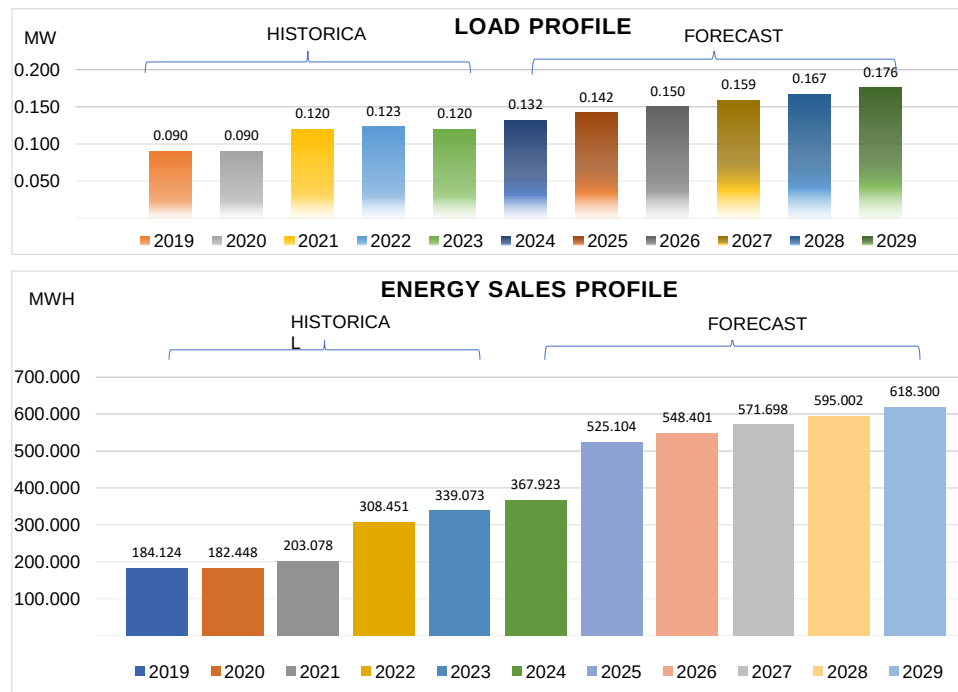
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.413	0.318	0.362	0.427	0.444	0.502	0.501	0.528	0.554	0.581	0.607
Existing Rated Capacity (MW)	0.996	0.996	0.996	0.776	0.776	1.676	1.676	1.676	1.676	1.676	1.676
Existing Dependable Capacity (MW)	0.480	0.480	0.480	0.500	0.500	1.340	1.220	1.220	1.220	1.220	1.220
Capacity Addition (MW)					0.900						
Dependable Capacity of Add. unit (MW)					0.900						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.996	0.996	0.996	0.776	1.676	1.676	1.676	1.676	1.676	1.676	1.676
Total Dependable Capacity (MW)	0.480	0.480	0.480	0.500	1.400	1.220	1.220	1.220	1.220	1.220	1.220
Gross Reserve Capacity (MW)	0.067	0.162	0.118	0.073	0.956	0.718	0.719	0.692	0.666	0.639	0.613
Dependable Capacity of largest unit (MW)	0.150	0.150	0.150	0.150	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Net Reserve Capacity (MW)	-0.083	0.012	-0.032	-0.077	0.746	0.508	0.509	0.482	0.456	0.429	0.403
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	1047.380	1362.055	1518.019	1612.184	1739.758	2020.110	2179.624	2323.452	2499.080	2674.709	2850.337
Gross Generation (MWH)	1088.123	1445.174	1562.143	1651.237	1791.742	2069.244	2197.510	2341.338	2516.966	2692.595	2868.223
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Units 4 & 5 non-operational; awaiting for spareparts



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CINCO RAMA DPP
Name of Plant Head:	JUDEE JOSE D. CALOSOR
Address:	Brgy. Rama, Catbalogan, Western
Contact No.:	0908-181-9381
Email Address:	jjdcalosor@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	3
Number of Households (2020 CENSUS):	734
Number of Energized Households	761
Percentage of Energization	104%

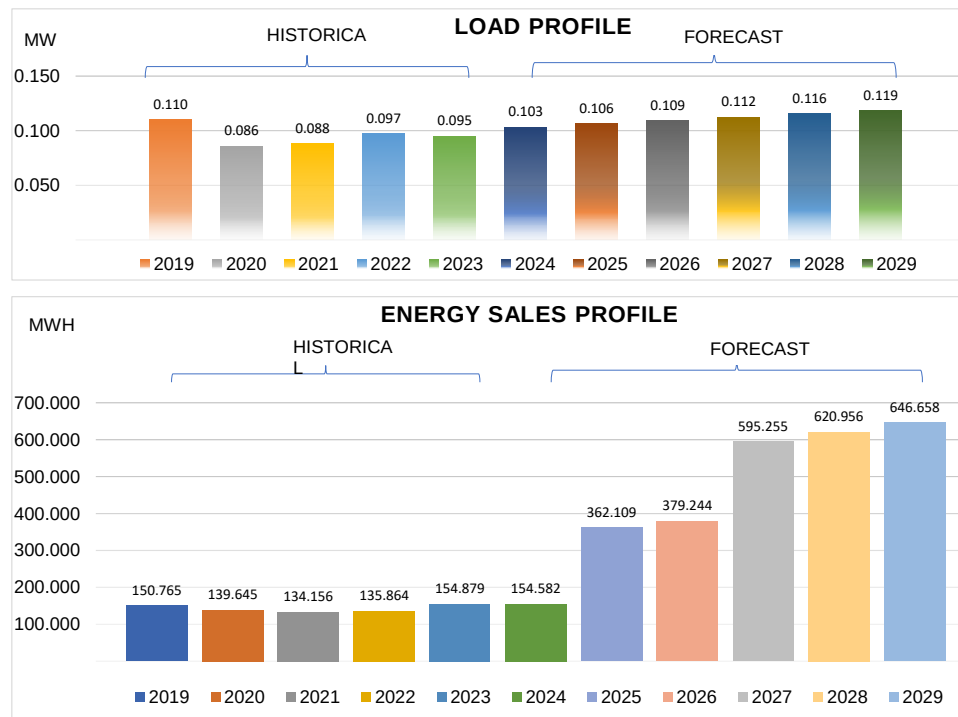


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.090	0.090	0.120	0.123	0.120	0.132	0.142	0.150	0.159	0.167	0.176
Existing Rated Capacity (MW)	0.270	0.270	0.270	0.325	0.325	0.425	0.430	0.430	0.430	0.430	0.430
Existing Dependable Capacity (MW)	0.240	0.240	0.240	0.240	0.240	0.330	0.340	0.340	0.340	0.340	0.340
Capacity Addition (MW)					0.100						
Dependable Capacity of Add. unit (MW)					0.070						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.270	0.270	0.270	0.325	0.425	0.430	0.430	0.430	0.430	0.430	0.430
Total Dependable Capacity (MW)	0.240	0.240	0.240	0.240	0.310	0.340	0.340	0.340	0.340	0.340	0.340
Gross Reserve Capacity (MW)	0.150	0.150	0.120	0.117	0.190	0.208	0.198	0.190	0.181	0.173	0.164
Dependable Capacity of largest unit (MW)	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Net Reserve Capacity (MW)	0.060	0.060	0.030	0.027	0.100	0.118	0.108	0.100	0.091	0.083	0.074
Solar PV (MWp)								0.100			
BESS (MWH)								0.060			
Energy Sales (MWH)	184.124	182.448	203.078	308.451	339.073	367.923	525.104	548.401	571.698	595.002	618.300
Gross Generation (MWH)	185.352	202.254	218.980	338.584	376.601	406.980	529.365	552.662	575.959	599.263	622.560
Operating Hours	8	8	8	16	16	16	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	COSTA RICA DPP
Name of Plant Head:	JERRY D. PONDANG
Address:	Brgy. Costa Rica II, Almagro,
Contact No.:	0921-832-5640
Email Address:	jdpondang@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	7
Number of Households (2020 CENSUS):	685
Number of Energized Households	730
Percentage of Energization	107%



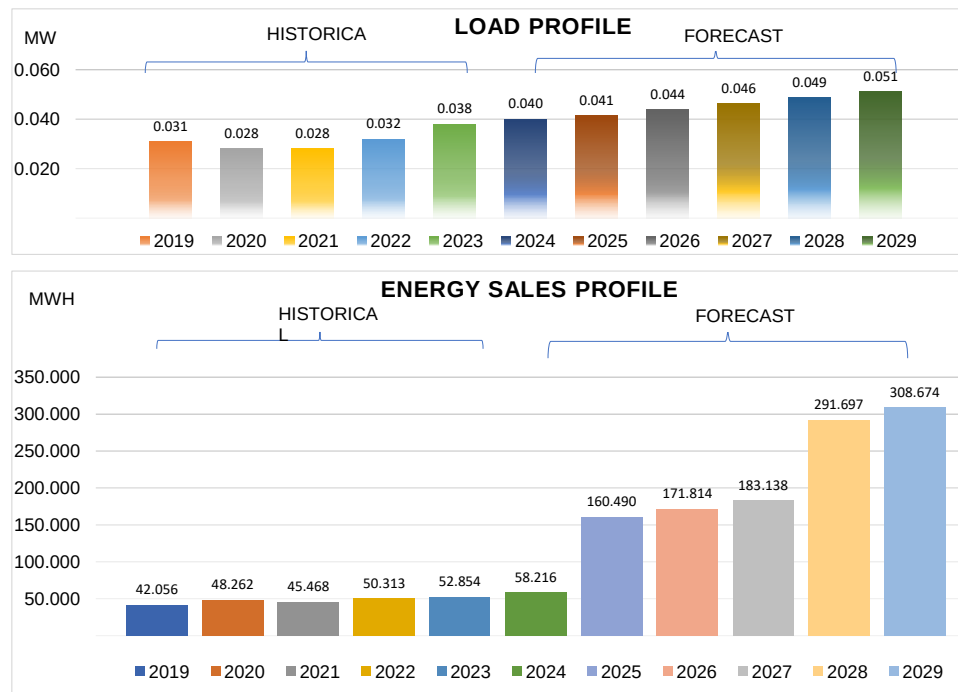
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.110	0.086	0.088	0.097	0.095	0.103	0.106	0.109	0.112	0.116	0.119
Existing Rated Capacity (MW)	0.120	0.120	0.120	0.120	0.255	0.405	0.405	0.405	0.405	0.405	0.405
Existing Dependable Capacity (MW)	0.110	0.110	0.110	0.110	0.190	0.340	0.340	0.340	0.340	0.340	0.340
Capacity Addition (MW)					0.150						
Dependable Capacity of Add. unit (MW)					0.150						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.120	0.120	0.120	0.120	0.405	0.405	0.405	0.405	0.405	0.405	0.405
Total Dependable Capacity (MW)	0.110	0.110	0.110	0.110	0.340	0.340	0.340	0.340	0.340	0.340	0.340
Gross Reserve Capacity (MW)		0.024	0.022	0.013	0.245	0.237	0.234	0.231	0.228	0.224	0.221
Dependable Capacity of largest unit (MW)	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
Net Reserve Capacity (MW)	-0.110	-0.086	-0.088	-0.097	0.135	0.127	0.124	0.121	0.118	0.114	0.111
Solar PV (MWp)								0.180			
BESS (MWH)								0.060			
Energy Sales (MWH)	150,765	139,645	134,156	135,864	154,879	154,582	362,109	379,244	595,255	620,956	646,658
Gross Generation (MWH)	164,257	169,817	159,973	174,937	179,283	186,131	363,483	380,618	596,628	622,330	648,032
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

Note: Awaiting issuance of COC from ERC for 1x0.135MW Genset unit



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

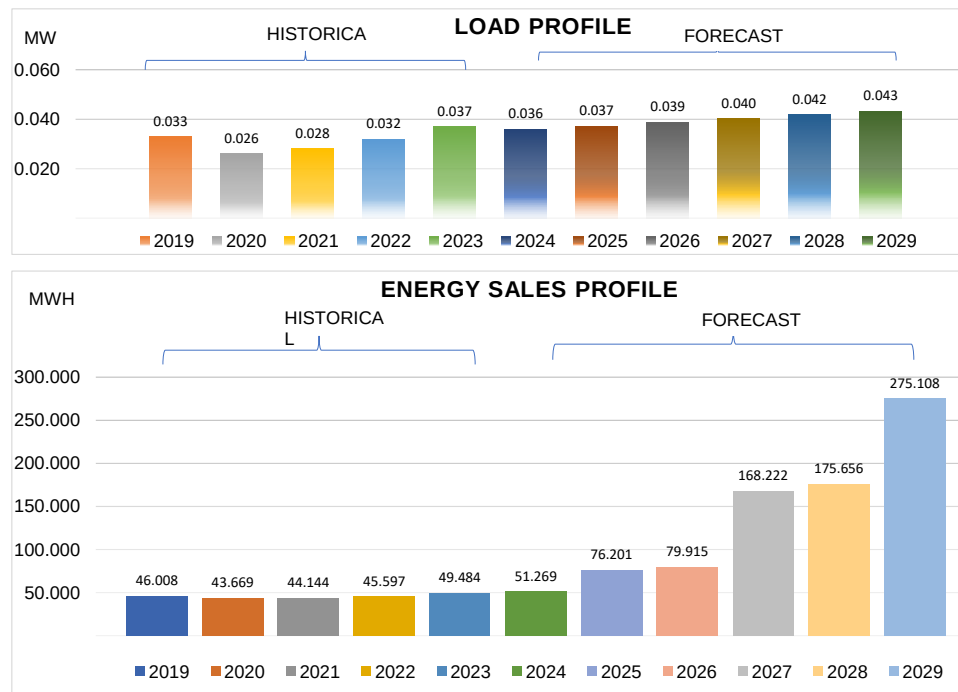
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ILIJAN DPP
Name of Plant Head:	ROMMEL B. GUMALO
Address:	Brgy. Ilijan, Sto. Niño, Western
Contact No.:	0908-181-9370
Email Address:	rbgumalo@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	226
Number of Energized Households	226
Percentage of Energization	100%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.031	0.028	0.028	0.032	0.038	0.040	0.041	0.044	0.046	0.049	0.051
Existing Rated Capacity (MW)	0.120	0.120	0.120	0.120	0.120	0.120	0.200	0.200	0.200	0.200	0.200
Existing Dependable Capacity (MW)	0.114	0.114	0.114	0.114	0.114	0.114	0.186	0.186	0.186	0.186	0.186
Capacity Addition (MW)					0.080						
Dependable Capacity of Add. unit (MW)					0.072						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.120	0.120	0.120	0.120	0.120	0.200	0.200	0.200	0.200	0.200	0.200
Total Dependable Capacity (MW)	0.114	0.114	0.114	0.114	0.114	0.186	0.186	0.186	0.186	0.186	0.186
Gross Reserve Capacity (MW)	0.083	0.086	0.086	0.082	0.076	0.146	0.145	0.142	0.140	0.137	0.135
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.003	0.006	0.006	0.002	-0.004	0.066	0.065	0.062	0.060	0.057	0.055
Solar PV (MWp)								0.080			
BESS (MWH)								0.040			
Energy Sales (MWH)	42,056	48,262	45,468	50,313	52,854	58,216	160,490	171,814	183,138	291,697	308,674
Gross Generation (MWH)	44,201	50,062	50,630	56,162	54,602	60,071	160,495	171,819	183,142	291,699	308,676
Operating Hours	8	8	8	8	8	8	16	16	16	24	24

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

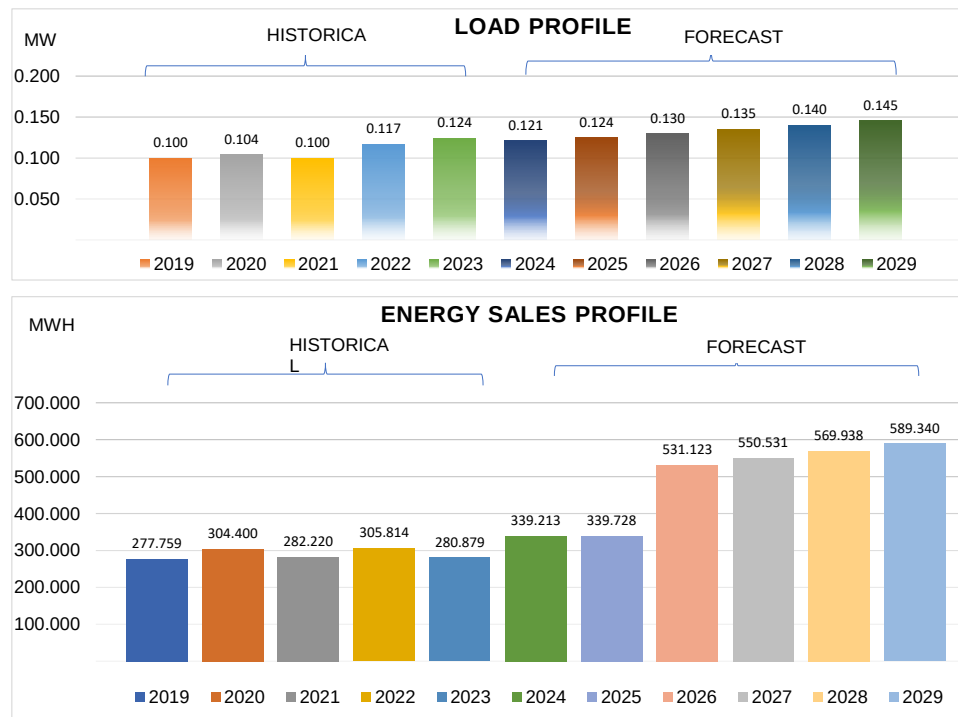
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	KERIKITE DPP
Name of Plant Head:	JERRY D. PONDANG
Address:	Brgy. Kerikite, Almagro, Western
Contact No.:	0921-832-5640
Email Address:	jdpondang@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	2
Number of Households (2020 CENSUS):	223
Number of Energized Households	243
Percentage of Eneerazization	109%

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

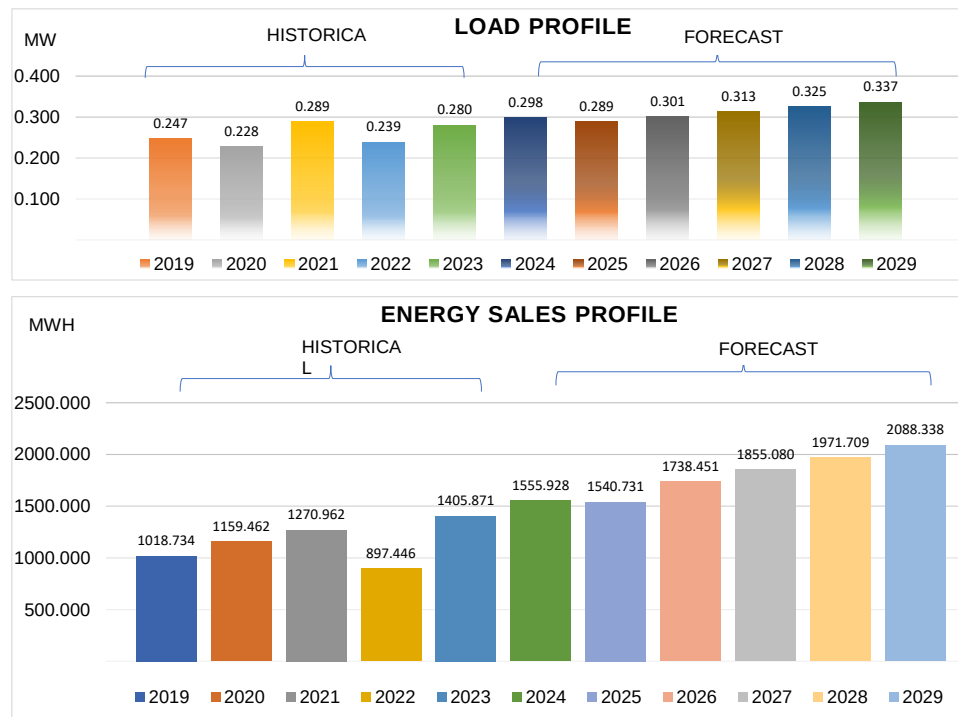
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LIBUCAN DPP
Name of Plant Head:	ROMMEL B. GUMALO
Address:	Brgy. Libucan Dacu, Tarangnan,
Contact No.:	0908-181-9370
Email Address:	rbgumalo@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	7
Number of Households (2020 CENSUS):	1004
Number of Energized Households	1054
Percentage of Energization	105%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.100	0.104	0.100	0.117	0.124	0.121	0.124	0.130	0.135	0.140	0.145
Existing Rated Capacity (MW)	0.260	0.260	0.260	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311
Existing Dependable Capacity (MW)	0.210	0.210	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.260	0.260	0.260	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311
Total Dependable Capacity (MW)	0.210	0.210	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Gross Reserve Capacity (MW)	0.110	0.106	0.140	0.123	0.116	0.119	0.116	0.110	0.105	0.100	0.095
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.030	0.026	0.060	0.043	0.036	0.039	0.036	0.030	0.025	0.020	0.015
Solar PV (MWp)							0.100				
BESS (MWH)							0.060				
Energy Sales (MWH)	277.759	304.400	282.220	305.814	280.879	339.213	339.728	531.123	550.531	569.938	589.340
Gross Generation (MWH)	286.933	326.187	314.626	344.486	327.631	393.536	343.975	535.370	554.777	574.185	593.586
Operating Hours	16	16	16	16	16	16	16	24	24	24	24

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LIMASAWA DPP
Name of Plant Head:	JESS ROGER M. DUMADAG
Address:	Brgy. Calubihan, Limasawa,
Contact No.:	0963-964-9229
Email Address:	jrm Dumadag@napocor.gov.ph
Distribution Utility:	SOLECO
Number of Barangays:	6
Number of Households (2020 CENSUS):	1366
Number of Energized Households	1366
Percentage of Energization	100%



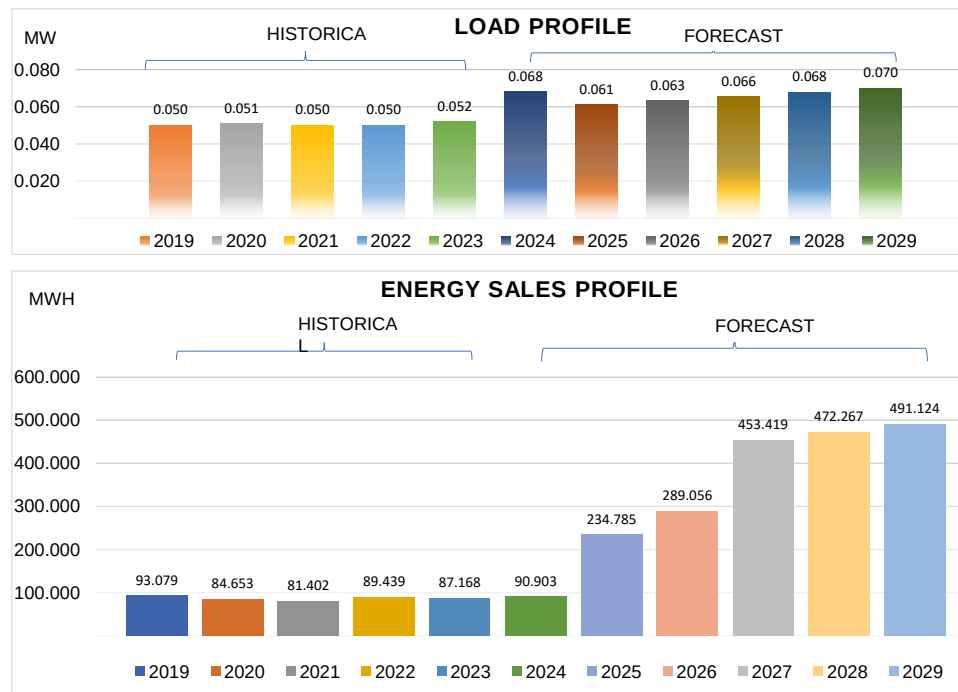
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.247	0.228	0.289	0.239	0.280	0.298	0.289	0.301	0.313	0.325	0.337
Existing Rated Capacity (MW)	1.026	1.026	1.146	1.075	1.875	1.712	1.912	1.912	1.912	1.912	1.912
Existing Dependable Capacity (MW)	0.800	0.670	0.765	0.354	1.064	1.060	1.510	1.510	1.510	1.510	1.510
Capacity Addition (MW)		0.120		1.000							
Dependable Capacity of Add. unit (MW)		0.095		0.880							
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.026	1.146	0.983	1.875	1.875	1.912	1.912	1.912	1.912	1.912	1.912
Total Dependable Capacity (MW)	0.800	0.765	0.765	1.064	1.064	1.510	1.510	1.510	1.510	1.510	1.510
Gross Reserve Capacity (MW)	0.553	0.537	0.476	0.825	0.784	1.212	1.221	1.209	1.197	1.185	1.173
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Net Reserve Capacity (MW)	0.253	0.237	0.176	0.525	0.484	0.912	0.921	0.909	0.897	0.885	0.873
Solar PV (MWp)								0.120			
BESS (MWH)								0.120			
Energy Sales (MWH)	1018.734	1159.462	1270.962	897.446	1405.871	1555.928	1540.731	1738.451	1855.080	1971.709	2088.338
Gross Generation (MWH)	1046.801	1194.194	1322.333	939.696	1455.385	1613.173	1565.171	1762.891	1879.519	1996.148	2112.777
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: Units 1 non-operational due to damaged crankshaft pulley, pulley gear and thread, and cooling fan

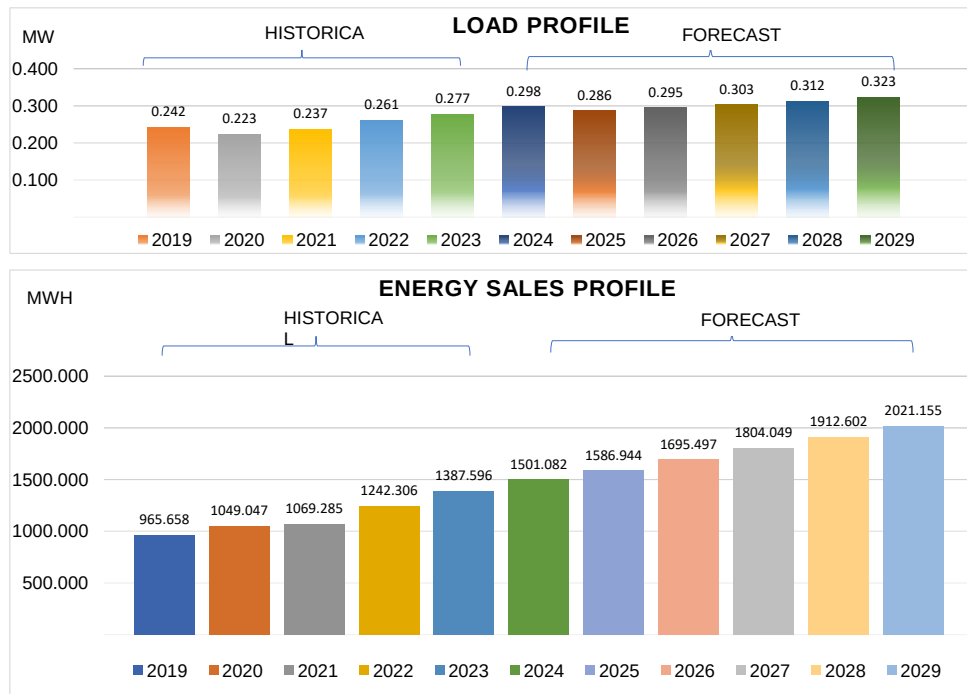


MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LUNANG DPP
Name of Plant Head:	JERRY D. PONDANG
Address:	Brgy. Lunang I, Almagro, Western
Contact No.:	0921-832-5640
Email Address:	jdpondang@napocor.gov.ph
Distribution Utility:	SAMELCO I
Number of Barangays:	4
Number of Households (2020 CENSUS):	388
Number of Energized Households	388
Percentage of Energization	100%

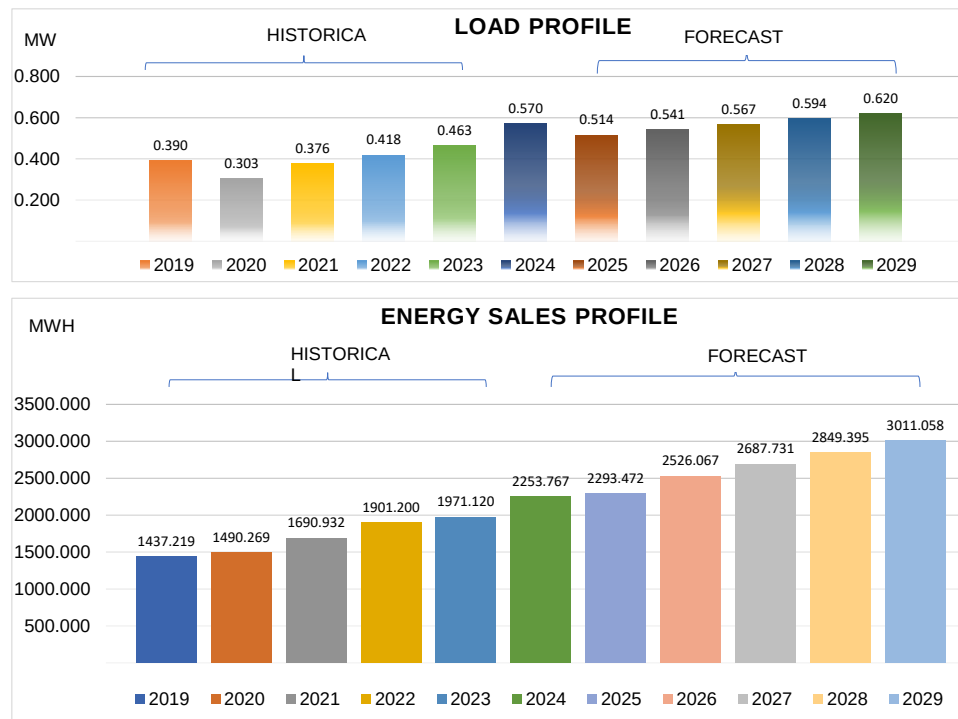


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.050	0.051	0.050	0.050	0.052	0.068	0.061	0.063	0.066	0.068	0.070
Existing Rated Capacity (MW)	0.110	0.110	0.110	0.120	0.120	0.220	0.220	0.220	0.220	0.220	0.220
Existing Dependable Capacity (MW)	0.074	0.100	0.100	0.100	0.100	0.200	0.200	0.200	0.200	0.200	0.200
Capacity Addition (MW)					0.100						
Dependable Capacity of Add. unit (MW)					0.100						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.110	0.110	0.110	0.120	0.220	0.220	0.220	0.220	0.220	0.220	0.220
Total Dependable Capacity (MW)	0.074	0.100	0.100	0.100	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Gross Reserve Capacity (MW)	0.024	0.049	0.050	0.050	0.148	0.132	0.139	0.137	0.134	0.132	0.130
Dependable Capacity of largest unit (MW)	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)	-0.026	-0.001	-	-	0.098	0.082	0.089	0.087	0.084	0.082	0.080
Solar PV (MWp)								0.100			
BESS (MWH)								0.040			
Energy Sales (MWH)	93.079	84.653	81.402	89.439	87.168	90.903	234.785	289.056	453.419	472.267	491.124
Gross Generation (MWH)	99.783	102.955	97.120	104.229	105.848	111.559	236.589	291.013	455.529	474.529	493.538
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

[illegible]

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN ANTONIO DPP
Name of Plant Head:	GABRIEL L. ESQUILON
Address:	Sitio Pongdol, Brgy. Ward III, San
Contact No.:	0947-781-7751
Email Address:	glesquilon@napocor.gov.ph
Distribution Utility:	NORSAMELCO
Number of Barangays:	10
Number of Households (2020 CENSUS):	1880
Number of Energized Households	1880
Percentage of Energization	100%

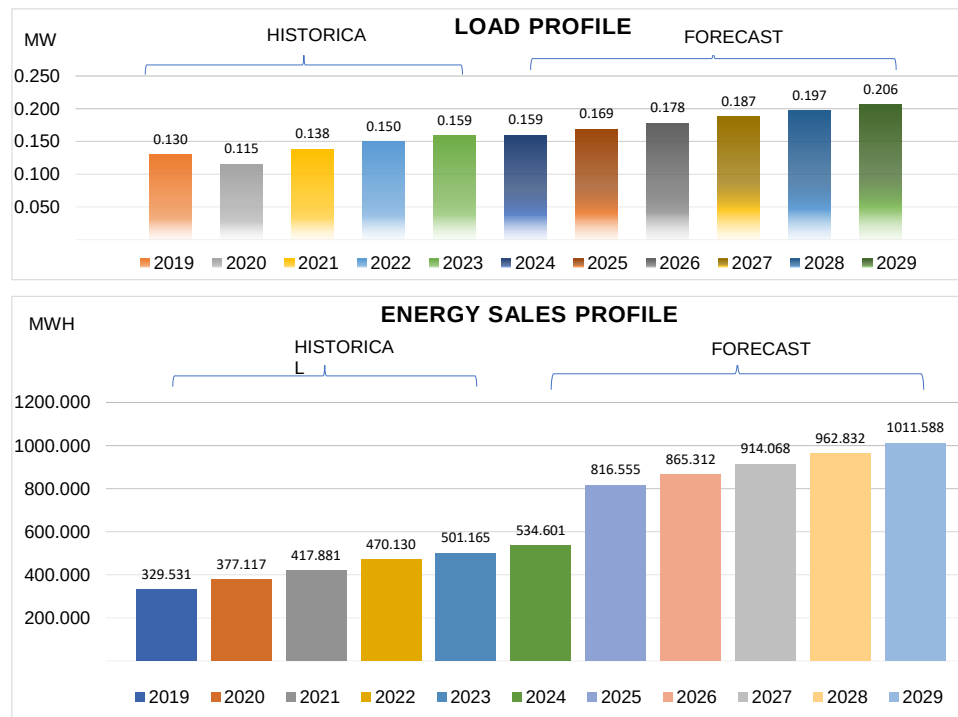


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.390	0.303	0.376	0.418	0.463	0.570	0.514	0.541	0.567	0.594	0.620
Existing Rated Capacity (MW)	0.963	0.963	0.963	0.973	0.973	1.873	1.873	1.873	1.873	1.873	1.873
Existing Dependable Capacity (MW)	0.830	0.830	0.575	0.710	0.710	1.520	1.430	1.430	1.430	1.430	1.430
Capacity Addition (MW)					0.900						
Dependable Capacity of Add. unit (MW)					0.810						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.963	0.963	0.963	0.973	1.873	1.873	1.873	1.873	1.873	1.873	1.873
Total Dependable Capacity (MW)	0.830	0.830	0.575	0.710	1.520	1.430	1.430	1.430	1.430	1.430	1.430
Gross Reserve Capacity (MW)	0.440	0.527	0.199	0.292	1.057	0.860	0.916	0.889	0.863	0.836	0.810
Dependable Capacity of largest unit (MW)	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Net Reserve Capacity (MW)	0.160	0.247	-0.081	0.012	0.777	0.580	0.636	0.609	0.583	0.556	0.530
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	1437.219	1490.269	1690.932	1901.200	1971.120	2253.767	2293.472	2526.067	2687.731	2849.395	3011.058
Gross Generation (MWH)	1499.065	1522.988	1742.788	1966.741	2044.664	2319.469	2317.535	2550.131	2711.794	2873.458	3035.122
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Incoming transfer 1x0.302MW and 1x0.528MW from Camotes DPP.

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN VICENTE DPP, VIS
Name of Plant Head:	JADE C. FAUNILLAN
Address:	Brgy. Mongolbongol, San Vicente,
Contact No.:	0999-523-8287
Email Address:	jcfaunillan@napocor.gov.ph
Distribution Utility:	NORSAMELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	1392
Number of Energized Households	577
Percentage of Energization	41%



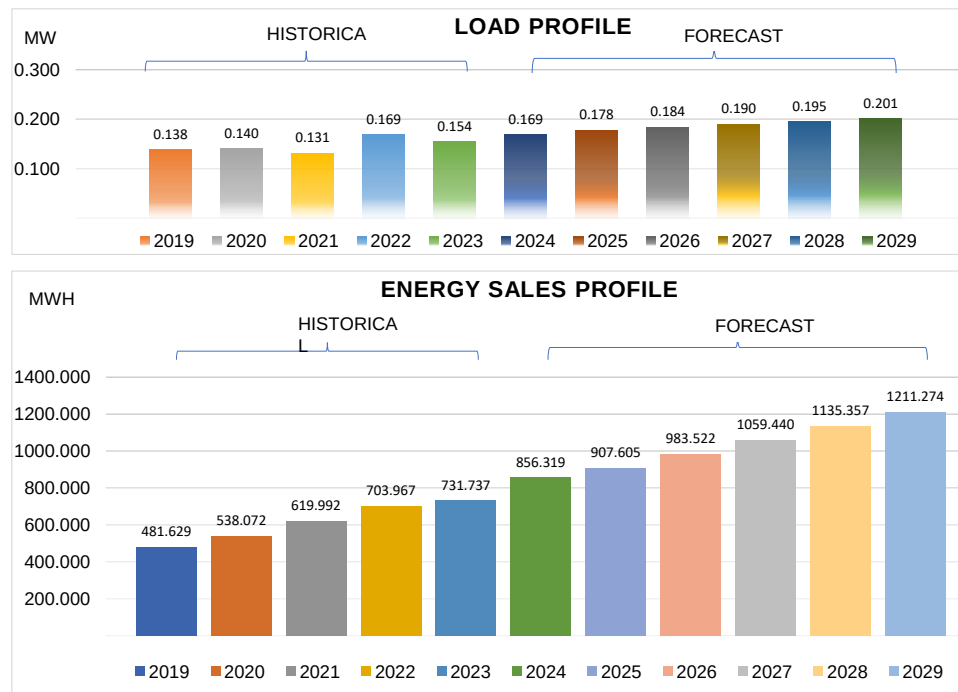
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.130	0.115	0.138	0.150	0.159	0.159	0.169	0.178	0.187	0.197	0.206
Existing Rated Capacity (MW)	0.263	0.263	0.263	0.523	0.523	0.823	0.823	0.823	0.823	0.823	0.823
Existing Dependable Capacity (MW)	0.223	0.223	0.223	0.373	0.405	0.660	0.660	0.660	0.660	0.660	0.660
Capacity Addition (MW)					0.300						
Dependable Capacity of Add. unit (MW)					0.255						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.263	0.263	0.263	0.523	0.823	0.823	0.823	0.823	0.823	0.823	0.823
Total Dependable Capacity (MW)	0.223	0.223	0.223	0.405	0.660	0.660	0.660	0.660	0.660	0.660	0.660
Gross Reserve Capacity (MW)	0.093	0.108	0.085	0.255	0.255	0.501	0.491	0.482	0.473	0.463	0.454
Dependable Capacity of largest unit (MW)	0.138	0.138	0.138	0.138	0.140	0.140	0.140	0.140	0.140	0.140	0.140
Net Reserve Capacity (MW)	-0.045	-0.030	-0.053	0.117	0.115	0.361	0.351	0.342	0.333	0.323	0.314
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	329,531	377,117	417,881	470,130	501,165	534,601	816,555	865,312	914,068	962,832	1,011,588
Gross Generation (MWH)	337,893	383,141	425,310	478,527	509,381	540,416	826,104	874,860	923,617	972,381	1,021,137
Operating Hours	16	16	16	16	16	16	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	STO. NIÑO DPP
Name of Plant Head:	ROMMEL B. GUMALO
Address:	Brgy. Basud, Sto. Nino, Western
Contact No.:	0908-181-9370
Email Address:	rbgumalo@napocor.gov.ph
Distribution Utility:	SAMELCO I
Number of Barangays:	3
Number of Households (2020 CENSUS):	921
Number of Energized Households	1063
Percentage of Energization	115%



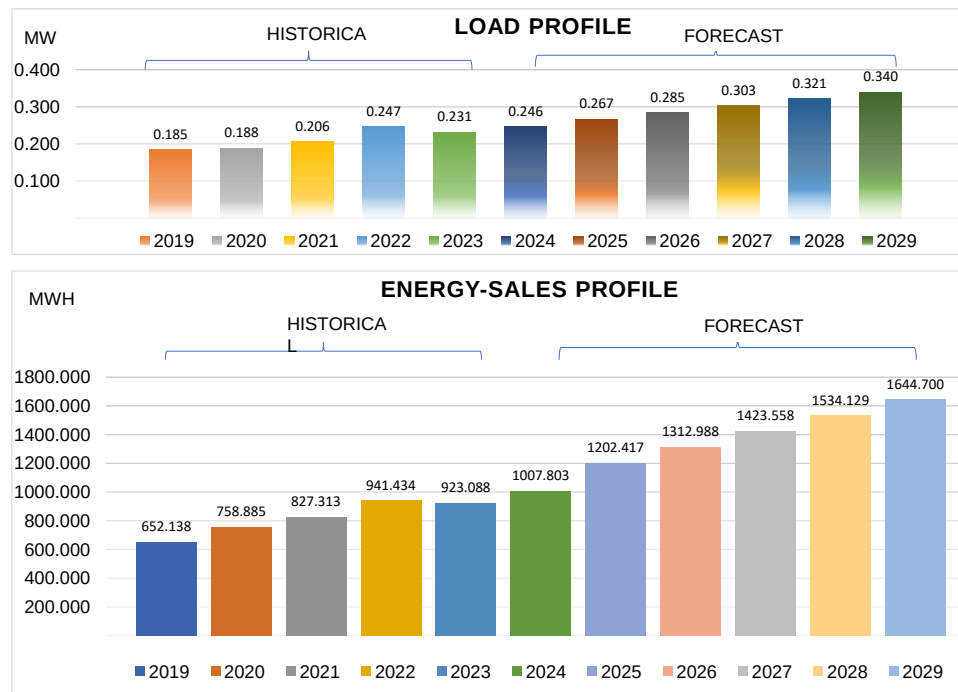
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.138	0.140	0.131	0.169	0.154	0.169	0.178	0.184	0.190	0.195	0.201
Existing Rated Capacity (MW)	0.403	0.403	0.403	0.503	0.253	0.653	0.653	0.653	0.653	0.653	0.653
Existing Dependable Capacity (MW)	0.380	0.380	0.220	0.220	0.220	0.620	0.630	0.630	0.630	0.630	0.630
Capacity Addition (MW)					0.400						
Dependable Capacity of Add. unit (MW)					0.400						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.403	0.403	0.403	0.503	0.653	0.653	0.653	0.653	0.653	0.653	0.653
Total Dependable Capacity (MW)	0.380	0.380	0.220	0.220	0.620	0.630	0.630	0.630	0.630	0.630	0.630
Gross Reserve Capacity (MW)	0.242	0.240	0.089	0.051	0.466	0.461	0.452	0.446	0.440	0.435	0.429
Dependable Capacity of largest unit (MW)	0.160	0.160	0.160	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)	0.082	0.080	-0.071	-0.149	0.266	0.261	0.252	0.246	0.240	0.235	0.229
Solar PV (MWP)											
BESS (MWH)											
Energy Sales (MWH)	481.629	538.072	619.992	703.967	731.737	856.319	907.605	983.522	1059.440	1135.357	1211.274
Gross Generation (MWH)	488.161	545.447	628.274	714.156	741.249	862.882	918.678	994.596	1070.513	1146.430	1222.348
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE
Unit 3 - Non-operational; No Target date of restoration



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TAGAPUL-AN DPP
Name of Plant Head:	REIC MARIEL M. PARADERO
Address:	Brgy. Sugod, Tagapul-an, Western
Contact No.:	0960-608-9179
Email Address:	rmmparadero@napocor.gov.ph
Distribution Utility:	SAMELCO I
Number of Barangays:	14
Number of Households (2020 CENSUS):	1955
Number of Energized Households	1937
Percentage of Energization	99%



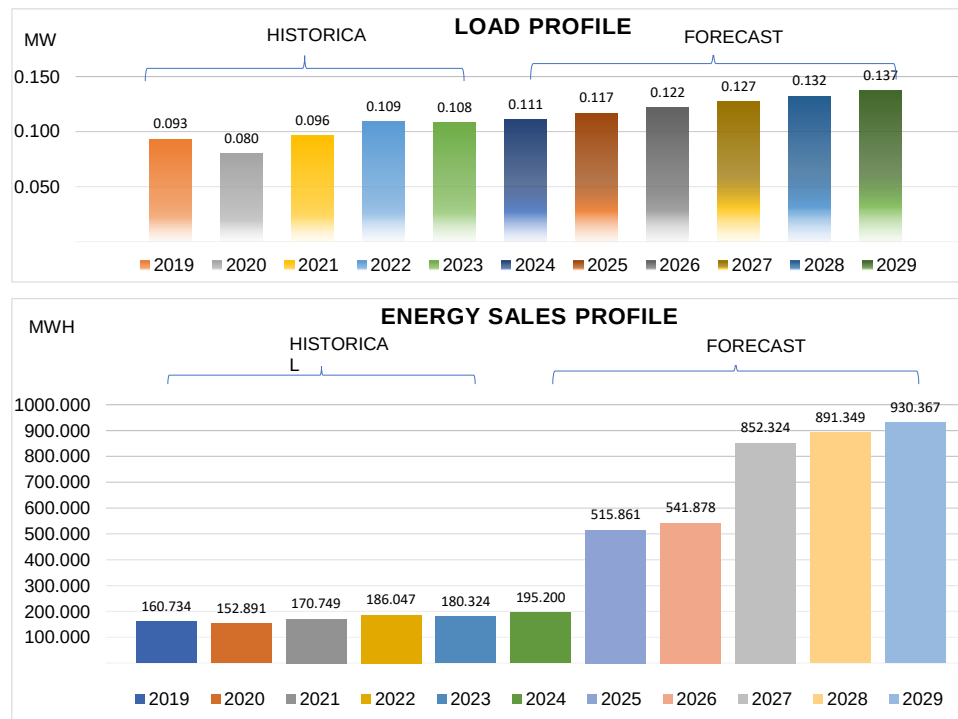
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.185	0.188	0.206	0.247	0.231	0.246	0.267	0.285	0.303	0.321	0.340
Existing Rated Capacity (MW)	0.583	0.583	0.583	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673
Existing Dependable Capacity (MW)	0.544	0.544	0.530	0.370	0.530	0.370	0.530	0.530	0.530	0.530	0.530
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.583	0.583	0.583	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673
Total Dependable Capacity (MW)	0.544	0.544	0.530	0.370	0.530	0.530	0.530	0.530	0.530	0.530	0.530
Gross Reserve Capacity (MW)	0.359	0.356	0.324	0.123	0.299	0.284	0.263	0.245	0.227	0.209	0.190
Dependable Capacity of largest unit (MW)	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160	0.160
Net Reserve Capacity (MW)	0.199	0.196	0.164	-0.037	0.139	0.124	0.103	0.085	0.067	0.049	0.030
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	652.138	758.885	827.313	941.434	923.088	1007.803	1202.417	1312.988	1423.558	1534.129	1644.700
Gross Generation (MWH)	661.471	766.188	837.421	952.847	937.072	1017.351	1216.500	1327.071	1437.642	1548.213	1658.783
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TAKUT DPP
Name of Plant Head:	ROMMEL B. GUMALO
Address:	Brgy. Takut, Sto. Niño, Western
Contact No.:	0908-181-9370
Email Address:	rbgumalo@napocor.gov.ph
Distribution Utility:	SAMELCO I
Number of Barangays:	2
Number of Households (2020 CENSUS):	646
Number of Energized Households	642
Percentage of Energization	99%

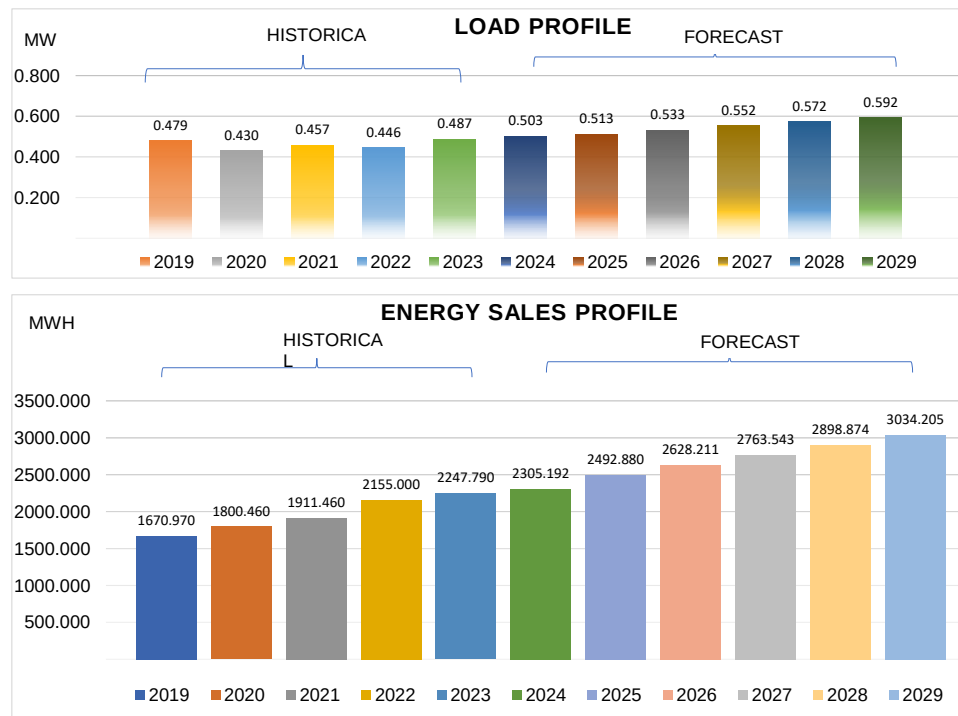


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.093	0.080	0.096	0.109	0.108	0.111	0.117	0.122	0.127	0.132	0.137
Existing Rated Capacity (MW)	0.286	0.286	0.286	0.315	0.315	0.515	0.515	0.515	0.515	0.515	0.515
Existing Dependable Capacity (MW)	0.240	0.240	0.240	0.240	0.240	0.440	0.440	0.440	0.440	0.440	0.440
Capacity Addition (MW)					0.200						
Dependable Capacity of Add. unit (MW)					0.200						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.286	0.286	0.286	0.315	0.515	0.515	0.515	0.515	0.515	0.515	0.515
Total Dependable Capacity (MW)	0.240	0.240	0.240	0.240	0.440	0.440	0.440	0.440	0.440	0.440	0.440
Gross Reserve Capacity (MW)	0.147	0.160	0.144	0.131	0.200	0.329	0.323	0.318	0.313	0.308	0.303
Dependable Capacity of largest unit (MW)	0.080	0.080	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
Net Reserve Capacity (MW)	0.067	0.080	0.004	-0.009	0.060	0.189	0.183	0.178	0.173	0.168	0.163
Solar PV (MWp)								0.160			
BESS (MWH)								0.060			
Energy Sales (MWH)	160.734	152.891	170.749	186.047	180.324	195.200	515.861	541.878	852.324	891.349	930.367
Gross Generation (MWH)	165.317	162.927	190.035	202.598	197.316	214.696	516.840	542.857	853.303	892.329	931.346
Operating Hours	8	8	8	8	8	8	16	16	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	ZUMARRAGA DPP
Name of Plant Head:	MARK ERWIN L. LIM
Address:	Brgy. Mombon, Zumarraga, Western
Contact No.:	0908-181-9663
Email Address:	ffgonzales@napocor.gov.ph
Distribution Utility:	SAMELCO II
Number of Barangays:	25
Number of Households (2020 CENSUS):	3606
Number of Energized Households	3866
Percentage of Energization	107%



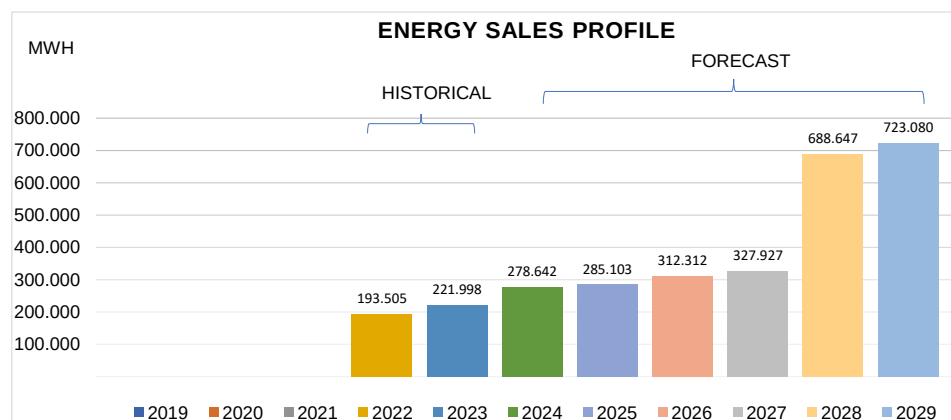
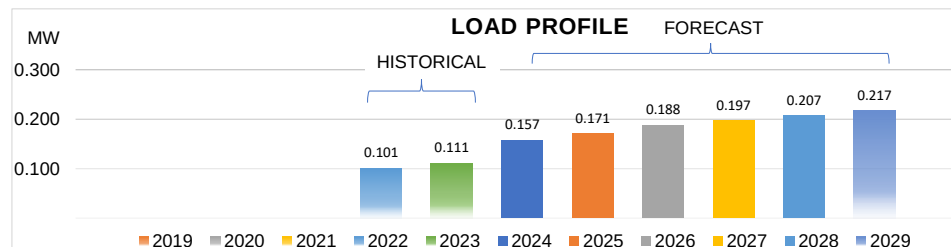
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.479	0.430	0.457	0.446	0.487	0.503	0.513	0.533	0.552	0.572	0.592
Existing Rated Capacity (MW)	0.889	2.079	2.079	3.189	1.089	1.789	1.789	1.789	1.789	1.789	1.789
Existing Dependable Capacity (MW)	0.794	1.344	1.344	1.890	0.910	1.490	1.610	1.610	1.610	1.610	1.610
Capacity Addition (MW)					0.700						
Dependable Capacity of Add. unit (MW)					0.700						
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.889	2.079	1.779	3.189	1.789	1.789	1.789	1.789	1.789	1.789	1.789
Total Dependable Capacity (MW)	0.794	1.344	1.344	1.890	1.610	1.610	1.610	1.610	1.610	1.610	1.610
Gross Reserve Capacity (MW)	0.315	0.914	0.887	1.444	1.123	1.107	1.097	1.077	1.058	1.038	1.018
Dependable Capacity of largest unit (MW)	0.300	0.300	0.180	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Net Reserve Capacity (MW)	0.015	0.614	0.707	0.964	0.643	0.627	0.617	0.597	0.578	0.558	0.538
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	1670.970	1800.460	1911.460	2155.000	2247.790	2305.192	2492.880	2628.211	2763.543	2898.874	3034.205
Gross Generation (MWH)	1727.238	1847.916	1993.665	2250.433	2324.712	2374.994	2520.804	2656.135	2791.466	2926.798	3062.129
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE Power Barge 113 disconnected from Zumarraga Grid on 12 May 2023 for capacity augmentation



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CASUGURAN DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Casuguran, Guiuan, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	5
Number of Households (2020 CENSUS):	240
Number of Energized Households	810
Percentage of Energization	338%



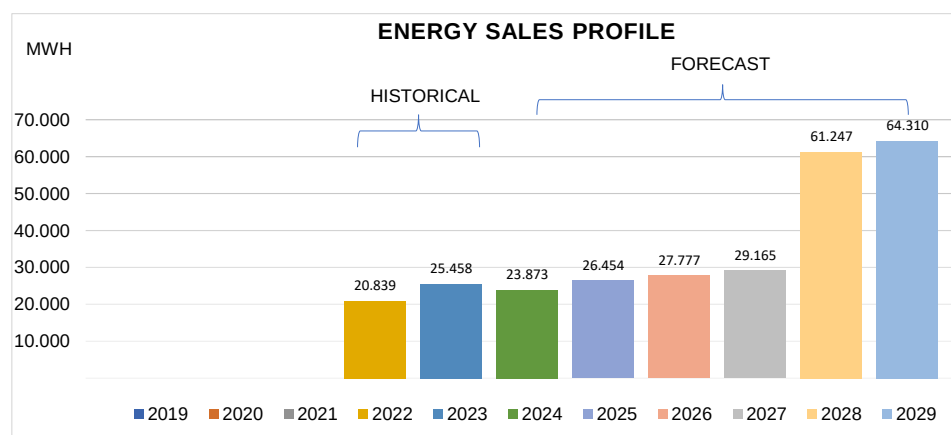
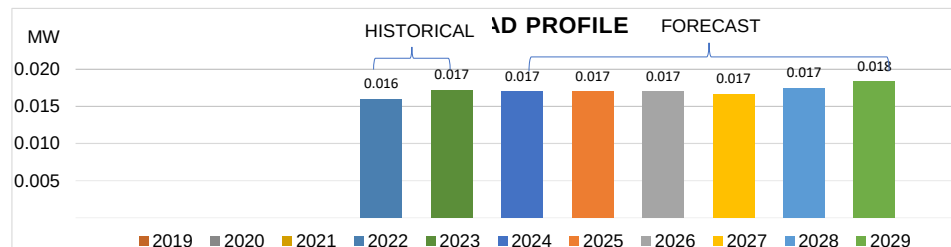
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.101	0.111	0.157	0.171	0.188	0.197	0.207	0.217
Existing Rated Capacity (MW)				0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
Existing Dependable Capacity (MW)				0.203	0.193	0.193	0.193	0.193	0.193	0.193	0.193
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)				0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
Total Dependable Capacity (MW)				0.203	0.193	0.193	0.193	0.193	0.193	0.193	0.193
Gross Reserve Capacity (MW)				0.102	0.082	0.036	0.022	0.005	-0.004	-0.014	-0.024
Dependable Capacity of largest unit (MW)				0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Net Reserve Capacity (MW)				-0.018	-0.038	-0.084	-0.098	-0.115	-0.124	-0.134	-0.144
Solar PV (MWP)									0.180		
BESS (MWH)									0.080		
Energy Sales (MWH)				193.505	221.998	278.642	285.103	312.312	327.927	688.647	723.080
Gross Generation (MWH)				195.154	223.454	280.152	287.954	315.435	331.206	695.534	730.310
Operating Hours				8	8	8	8	8	8	16	16

Note: Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CAGUSUAN DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Cagusuan, Guiuan, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	172
Number of Energized Households	194
Percentage of Energization	113%



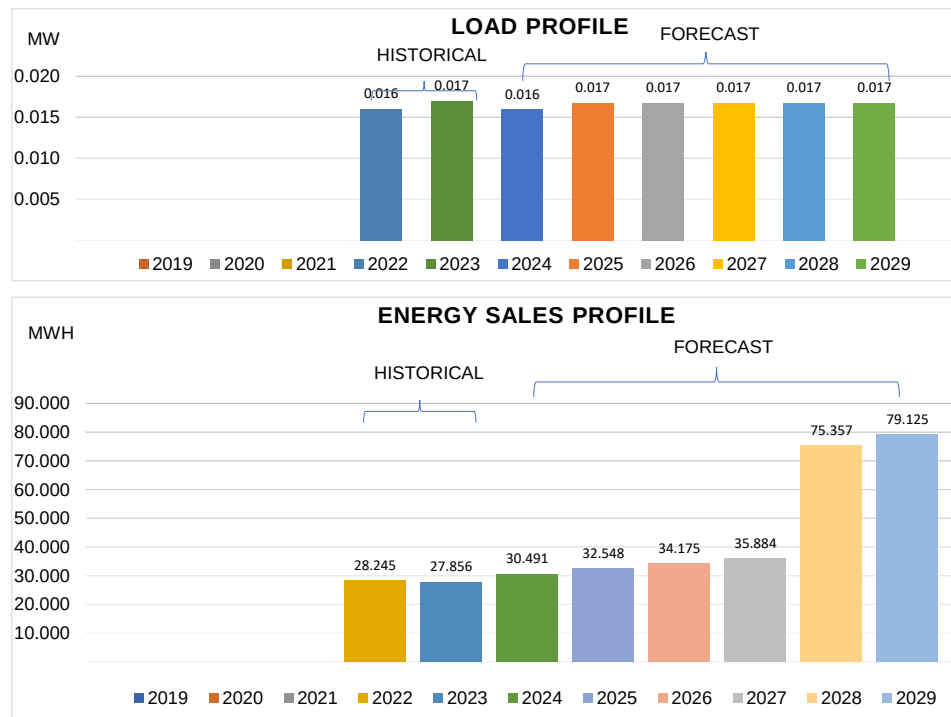
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.018
Existing Rated Capacity (MW)				0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Existing Dependable Capacity (MW)				0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)				0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Total Dependable Capacity (MW)				0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Gross Reserve Capacity (MW)				0.001	-0.000				0.000	-0.000	-0.001
Dependable Capacity of largest unit (MW)				0.017	0.017	0.017	0.018	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)				-0.016	-0.017	-0.017	-0.018	-0.021	-0.021	-0.021	-0.022
Solar PV (MWp)									0.040		
BESS (MWH)									0.020		
Energy Sales (MWH)				20.839	25.458	23.873	26.454	27.777	29.165	61.247	64.310
Gross Generation (MWH)				21.377	25.876	24.289	26.718	28.054	29.457	61.860	64.953
Operating Hours				8	8	8	8	8	8	16	16

Note: Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	INAPULANGAN DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Inapulangan, Guiuan, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	151
Number of Energized Households	151
Percentage of Energization	100%



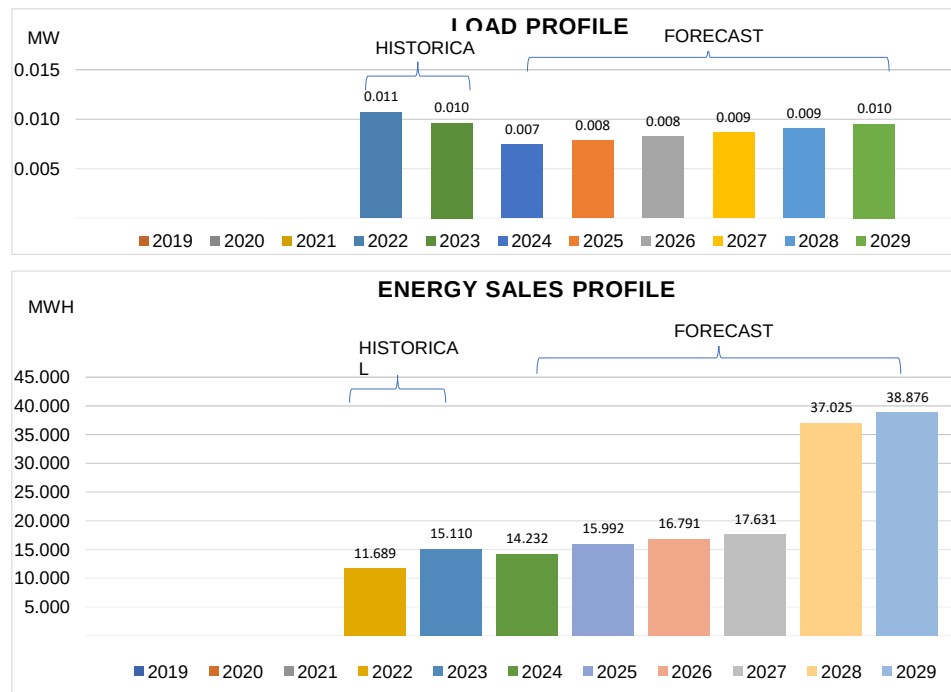
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.016	0.017	0.016	0.017	0.017	0.017	0.017	0.017
Existing Rated Capacity (MW)				0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Existing Dependable Capacity (MW)				0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)				0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Total Dependable Capacity (MW)				0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Gross Reserve Capacity (MW)				0.001		0.001	0.000	0.000	0.000	0.000	0.000
Dependable Capacity of largest unit (MW)				0.017	0.017	0.021	0.021	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)				-0.016	-0.017	-0.020	-0.021	-0.035	-0.035	-0.035	-0.035
Solar PV (MWp)									0.030		
BESS (MWH)									0.020		
Energy Sales (MWH)				28.245	27.856	30.491	32.548	34.175	35.884	75.357	79.125
Gross Generation (MWH)				28.976	28.576	31.215	32.873	34.517	36.243	76.110	79.916
Operating Hours				8	8	8	8	8	8	16	16

Note: Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	HABAG DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Habag, Guiuan, Eastern Samar
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	88
Number of Energized Households	97
Percentage of Energization	110%

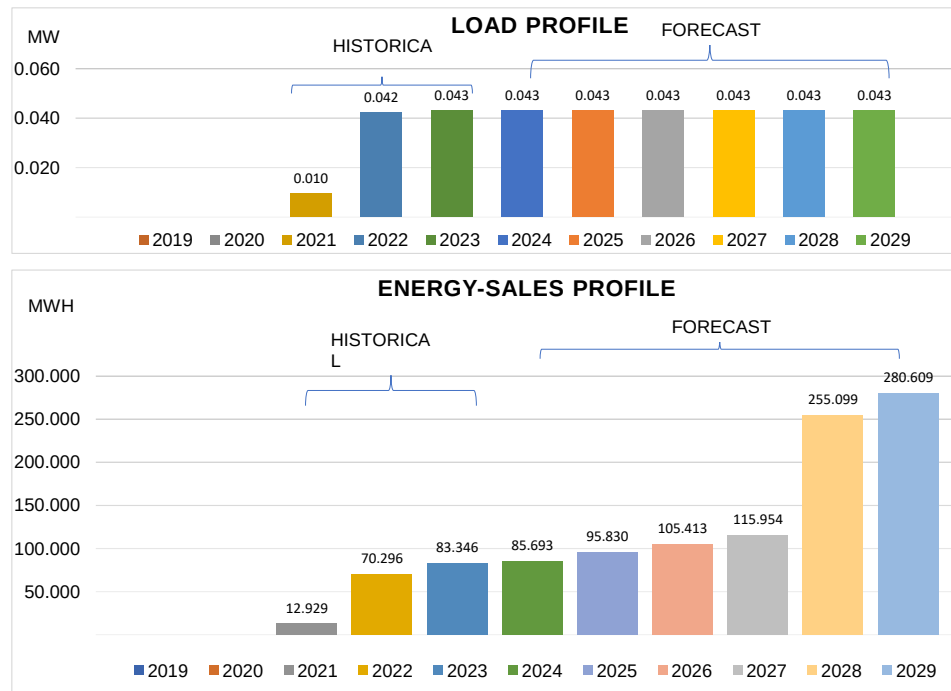


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.011	0.010	0.007	0.008	0.008	0.009	0.009	0.010
Existing Rated Capacity (MW)				0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Existing Dependable Capacity (MW)				0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)						0.040	0.040	0.040	0.040	0.040	
Total Installed Capacity (MW)				0.020	0.020	0.060	0.060	0.060	0.060	0.060	0.020
Total Dependable Capacity (MW)				0.017	0.017	0.057	0.057	0.057	0.057	0.057	0.017
Gross Reserve Capacity (MW)				0.006	0.007	0.050	0.049	0.049	0.048	0.048	0.007
Dependable Capacity of largest unit (MW)				0.017	0.017	0.018	0.018	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)				-0.011	-0.010	0.032	0.032	0.028	0.027	0.027	-0.014
Solar PV (MWp)									0.030		
BESS (MWH)									0.010		
Energy Sales (MWH)				11.689	15.110	14.232	15.992	16.791	17.631	37.025	38.876
Gross Generation (MWH)				12.420	15.838	14.855	16.152	16.959	17.807	37.395	39.265
Operating Hours				8	8	8	8	8	8	16	16



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SULUAN DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Suluan, Guiuan, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	408
Number of Energized Households	345
Percentage of Energization	85%



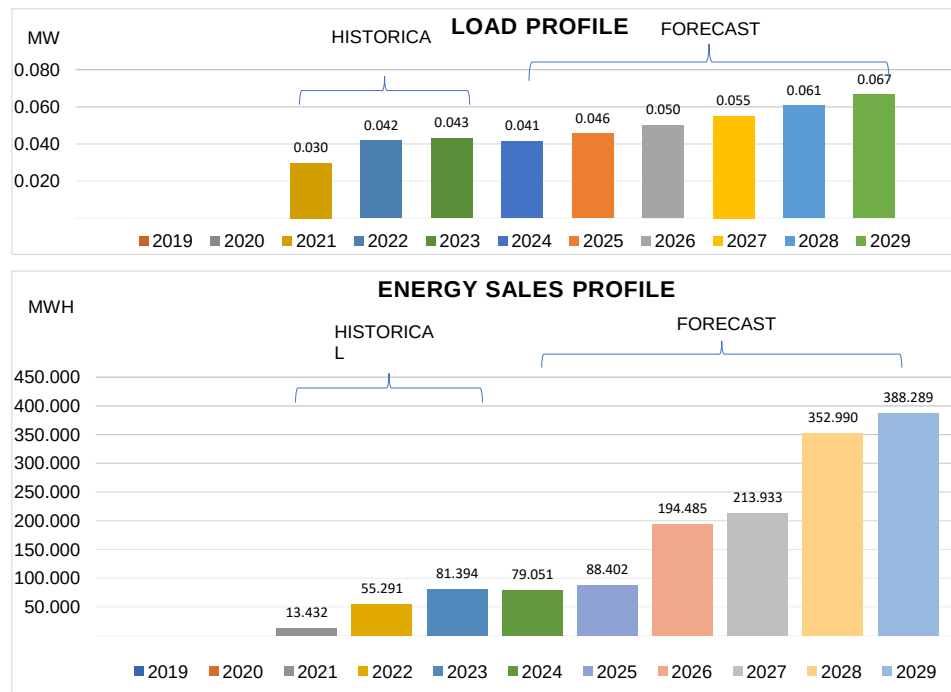
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)			0.010	0.042	0.043	0.043	0.043	0.043	0.043	0.043	0.043
Existing Rated Capacity (MW)			0.040	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)			0.028	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)			0.040	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)			0.028	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
Gross Reserve Capacity (MW)			0.018	0.001							
Dependable Capacity of largest unit (MW)			0.014	0.043	0.043	0.043	0.053	0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)			0.004	-0.042	-0.043	-0.043	-0.053	-0.053	-0.053	-0.053	-0.053
Solar PV (MWp)									0.080		
BESS (MWH)									0.040		
Energy Sales (MWH)			12.929	70.296	83.346	85.693	95.830	105.413	115.954	255.099	280.609
Gross Generation (MWH)			14.222	71.065	84.185	86.604	96.788	106.467	117.114	257.650	283.415
Operating Hours			8	8	8	8	8	8	8	16	16

Note: Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	HILABAAN DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Hilabaan, Dolores, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	562
Number of Energized Households	571
Percentage of Energization	102%



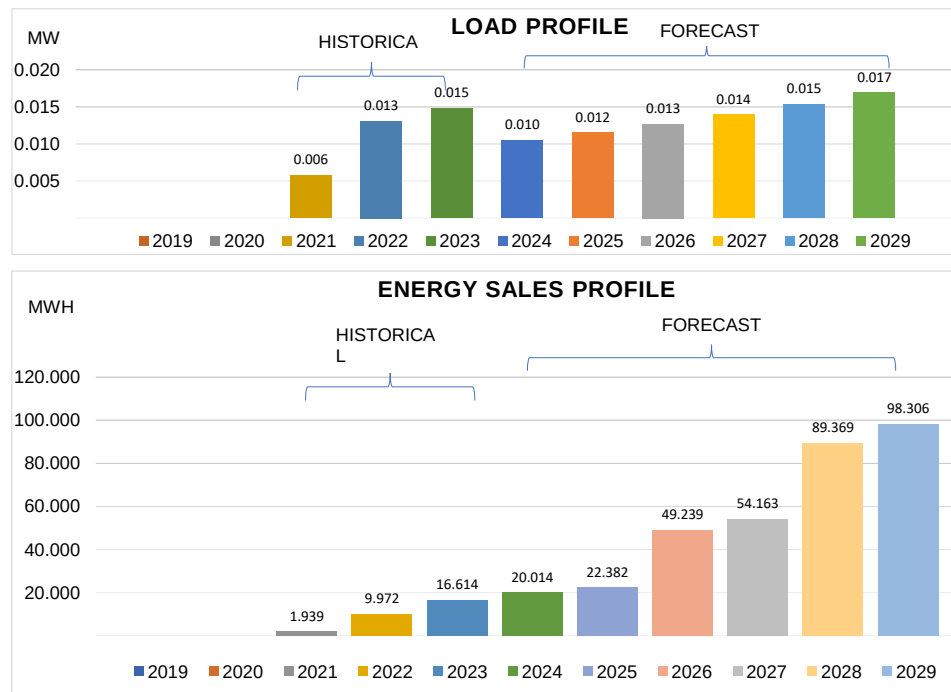
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)			0.030	0.042	0.043	0.041	0.046	0.050	0.055	0.061	0.067
Existing Rated Capacity (MW)			0.050	0.050	0.050	0.050	0.050	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)			0.043	0.043	0.043	0.043	0.043	0.123	0.123	0.123	0.123
Capacity Addition (MW)						0.100					
Dependable Capacity of Add. unit (MW)						0.080					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)			0.050	0.050	0.050	0.050	0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)			0.043	0.043	0.043	0.043	0.123	0.123	0.123	0.123	0.123
Gross Reserve Capacity (MW)			0.013	0.001		0.002	0.077	0.073	0.068	0.062	0.056
Dependable Capacity of largest unit (MW)			0.043	0.043	0.043	0.035	0.035	0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)			-0.030	-0.042	-0.043	-0.033	0.042	0.020	0.015	0.009	0.003
Solar PV (MWp)									0.060		
BESS (MWH)									0.040		
Energy Sales (MWH)			13.432	55.291	81.394	79.051	88.402	194.485	213.933	352.990	388.289
Gross Generation (MWH)			13.432	56.014	85.106	81.169	89.286	196.430	216.073	356.520	392.172
Operating Hours			8	8	8	8	8	16	16	24	24

Note: Incoming capacity addition



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TIKLING DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Tikling, Dolores, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	144
Number of Energized Households	172
Percentage of Energization	119%



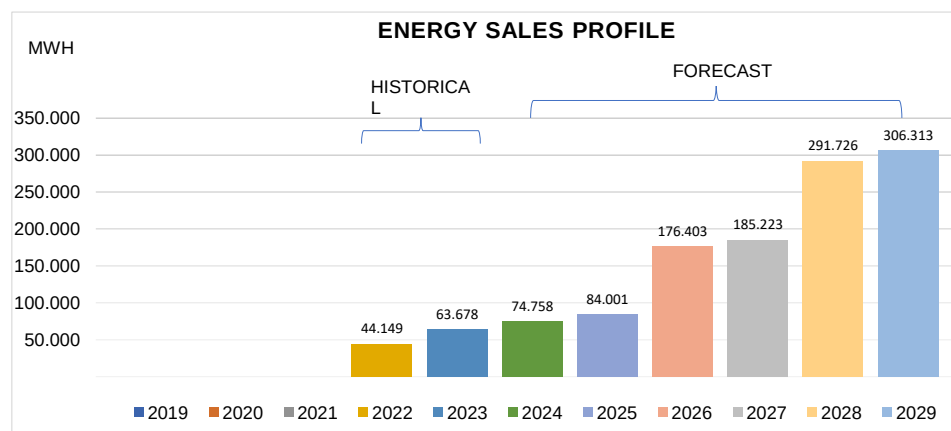
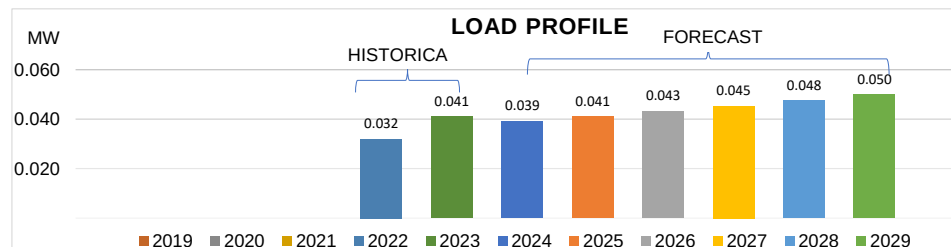
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)			0.006	0.013	0.015	0.010	0.012	0.013	0.014	0.015	0.017
Existing Rated Capacity (MW)			0.020	0.020	0.020	0.020	0.020	0.070	0.070	0.070	0.070
Existing Dependable Capacity (MW)			0.014	0.017	0.017	0.017	0.017	0.057	0.057	0.057	0.057
Capacity Addition (MW)						0.050					
Dependable Capacity of Add. unit (MW)						0.040					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)			0.020	0.020	0.020	0.020	0.070	0.070	0.070	0.070	0.070
Total Dependable Capacity (MW)			0.014	0.017	0.017	0.017	0.057	0.057	0.057	0.057	0.057
Gross Reserve Capacity (MW)			0.008	0.004	0.002	0.007	0.045	0.044	0.043	0.042	0.040
Dependable Capacity of largest unit (MW)			0.014	0.017	0.017	0.018	0.018	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)			-0.006	-0.013	-0.015	-0.011	0.028	0.023	0.022	0.021	0.019
Solar PV (MWp)									0.020		
BESS (MWH)									0.010		
Energy Sales (MWH)			1.939	9.972	16.614	20.014	22.382	49.239	54.163	89.369	98.306
Gross Generation (MWH)			2.255	10.255	18.255	20.550	22.605	49.732	54.705	90.263	99.289
Operating Hours			8	8	8	8	8	16	16	24	24

Note: Incoming capacity addition



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	STA. MONICA DPP
Name of Plant Head:	ROLITO A. CAYAO
Address:	Brgy. Sta. Monica, Oras, Eastern
Contact No.:	0908-181-9364
Email Address:	racayao@napocor.gov.ph
Distribution Utility:	ESAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	344
Number of Energized Households	392
Percentage of Energization	114%



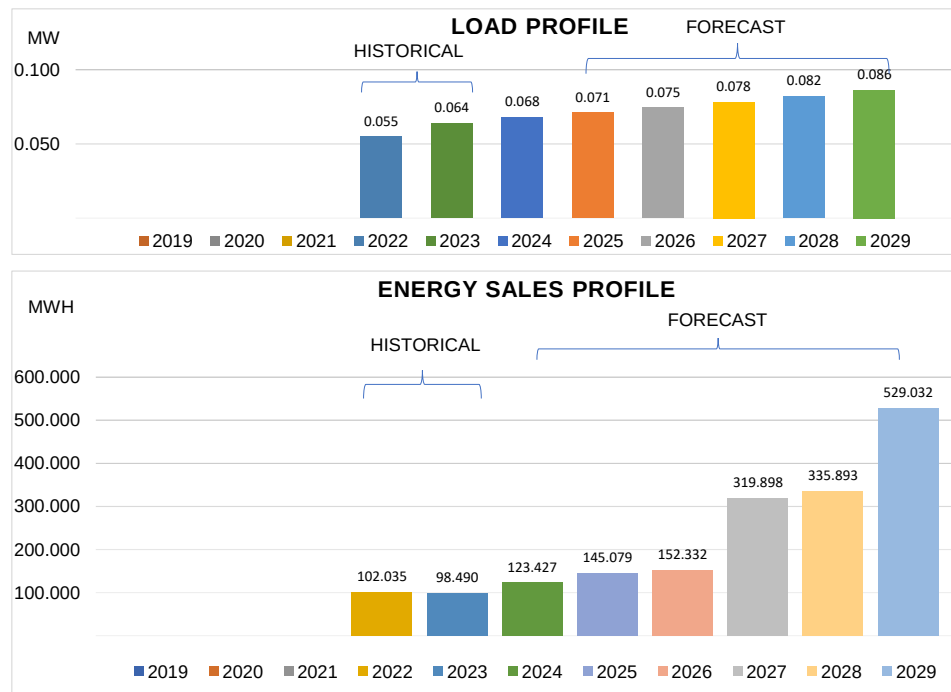
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.032	0.041	0.039	0.041	0.043	0.045	0.048	0.050
Existing Rated Capacity (MW)				0.050	0.050	0.050	0.050	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)				0.043	0.043	0.043	0.043	0.083	0.083	0.083	0.083
Capacity Addition (MW)						0.050					
Dependable Capacity of Add. unit (MW)						0.040					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)				0.050	0.050	0.050	0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)				0.043	0.043	0.043	0.083	0.083	0.083	0.083	0.083
Gross Reserve Capacity (MW)				0.011	0.002	0.004	0.042	0.040	0.038	0.035	0.033
Dependable Capacity of largest unit (MW)				0.043	0.043	0.043	0.043	0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)				-0.032	-0.041	-0.039	-0.001	-0.013	-0.015	-0.017	-0.019
Solar PV (MWp)									0.080		
BESS (MWH)									0.080		
Energy Sales (MWH)				44.149	63.678	74.758	84.001	176.403	185.223	291.726	306.313
Gross Generation (MWH)				44.979	64.589	80.801	84.841	178.167	187.075	294.644	309.376
Operating Hours				8	8	8	8	16	16	24	24

Note: Incoming capacity addition



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	HILOTONGAN DPP
Name of Plant Head:	MARCIAL C. OPO JR.
Address:	Brgy. Hilotongan, Bantayan, Cebu
Contact No.:	0933-828-3311
Email Address:	mjopo@napocor.gov.ph
Distribution Utility:	BANELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	572
Number of Energized Households	575
Percentage of Energization	101%



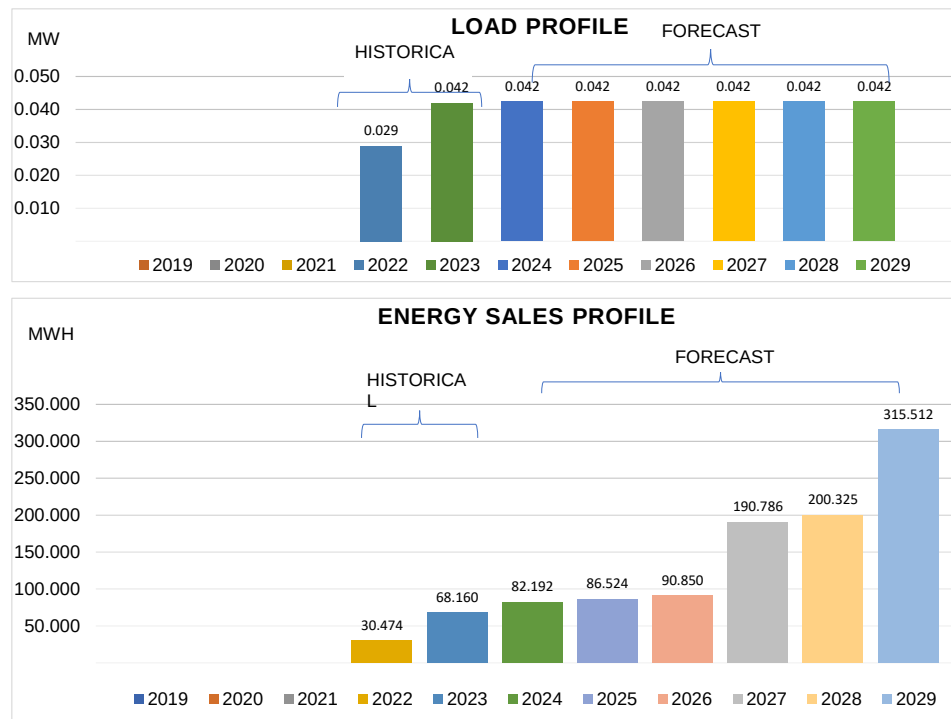
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.055	0.064	0.068	0.071	0.075	0.078	0.082	0.086
Existing Rated Capacity (MW)				0.080	0.080	0.243	0.243	0.243	0.243	0.243	0.243
Existing Dependable Capacity (MW)				0.065	0.080	0.210	0.210	0.210	0.210	0.210	0.210
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)				0.080	0.243	0.243	0.243	0.243	0.243	0.243	0.243
Total Dependable Capacity (MW)				0.065	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Gross Reserve Capacity (MW)				0.010	0.146	0.142	0.139	0.135	0.132	0.128	0.124
Dependable Capacity of largest unit (MW)				0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)				-0.070	0.066	0.062	0.059	0.055	0.052	0.048	0.044
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)				102.035	98.490	123.427	145.079	152.332	319.898	335.893	529.032
Gross Generation (MWH)				102.776	99.425	139.552	146.529	153.856	323.097	339.252	534.322
Operating Hours				8	8	8	8	8	16	16	24

Note: Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TARNATE DPP
Name of Plant Head:	0
Address:	Brgy. Tarnate, San Vicente, Northern
Contact No.:	0
Email Address:	0
Distribution Utility:	NORSAMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	344
Number of Energized Households	106
Percentage of Energization	31%



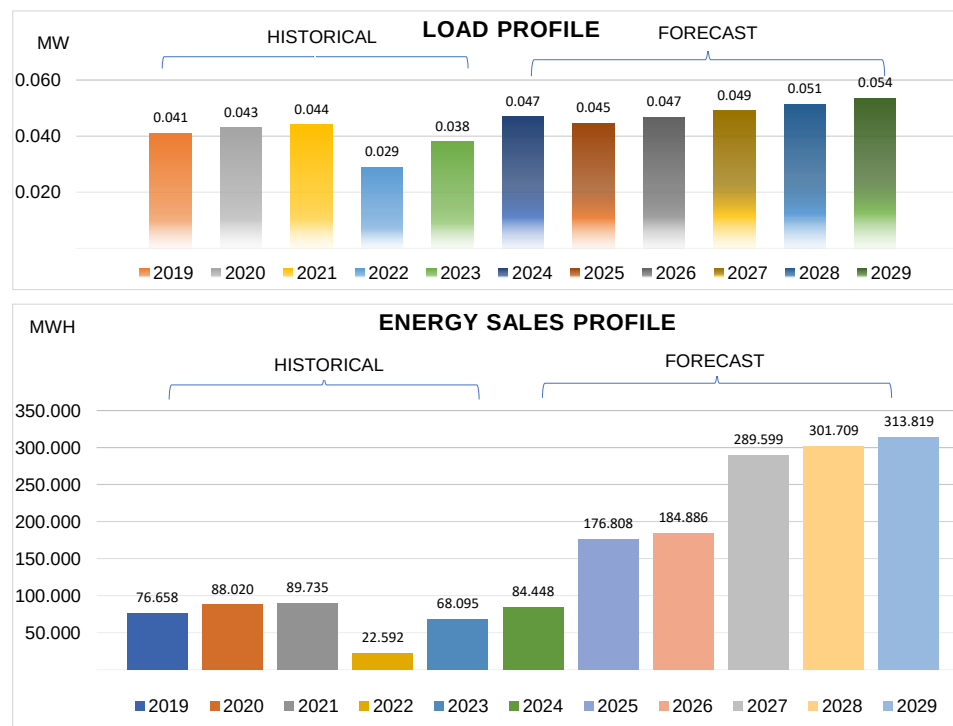
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.029	0.042	0.042	0.042	0.042	0.042	0.042	0.042
Existing Rated Capacity (MW)				0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)				0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)				0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)				0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)				0.013		-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
Dependable Capacity of largest unit (MW)				0.042	0.042	0.042	0.053	0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)				-0.029	-0.042	-0.042	-0.053	-0.053	-0.053	-0.053	-0.053
Solar PV (MWp)									0.060		
BESS (MWH)									0.025		
Energy Sales (MWH)				30.474	68.160	82.192	86.524	90.850	190.786	200.325	315.512
Gross Generation (MWH)				31.046	68.798	83.228	87.389	91.759	192.693	202.328	318.667
Operating Hours				8	8	8	8	8	16	16	24

Note: Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BAGONGBANWA DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Bagongbanwa, Bagongbanwa
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	248
Number of Energized Households	219
Percentage of Energization	88%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.041	0.043	0.044	0.029	0.038	0.047	0.045	0.047	0.049	0.051	0.054
Existing Rated Capacity (MW)	0.118	0.118	0.118	0.080	0.080	0.230	0.230	0.230	0.230	0.230	0.230
Existing Dependable Capacity (MW)	0.112	0.080	0.080	0.080	0.080	0.215	0.215	0.215	0.215	0.215	0.215
Capacity Addition (MW)			0.150								
Dependable Capacity of Add. unit (MW)			0.135								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.118	0.118	0.118	0.080	0.230	0.230	0.230	0.230	0.230	0.230	0.230
Total Dependable Capacity (MW)	0.112	0.080	0.080	0.080	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Gross Reserve Capacity (MW)	0.071	0.037	0.036	0.051	0.177	0.168	0.170	0.168	0.166	0.164	0.161
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.009	-0.043	-0.044	-0.029	0.097	0.088	0.090	0.088	0.086	0.084	0.081
Solar PV (MWp)										0.100	
BESS (MWH)										0.070	
Energy Sales (MWH)	76.658	88.020	89.735	22.592	68.095	84.448	176.808	184.886	289.599	301.709	313.819
Gross Generation (MWH)	77.542	88.148	91.603	22.690	68.414	84.383	177.127	185.206	289.918	302.028	314.138
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

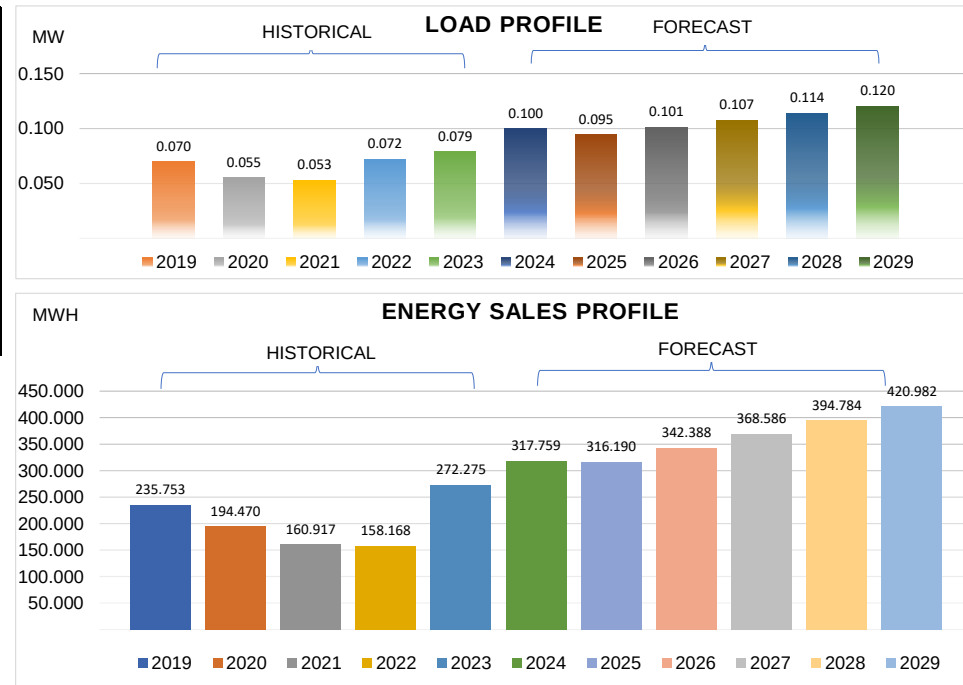
Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.

Unit 1 - Deactivated and recommended for decommissioning

Incoming transfer of genset

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

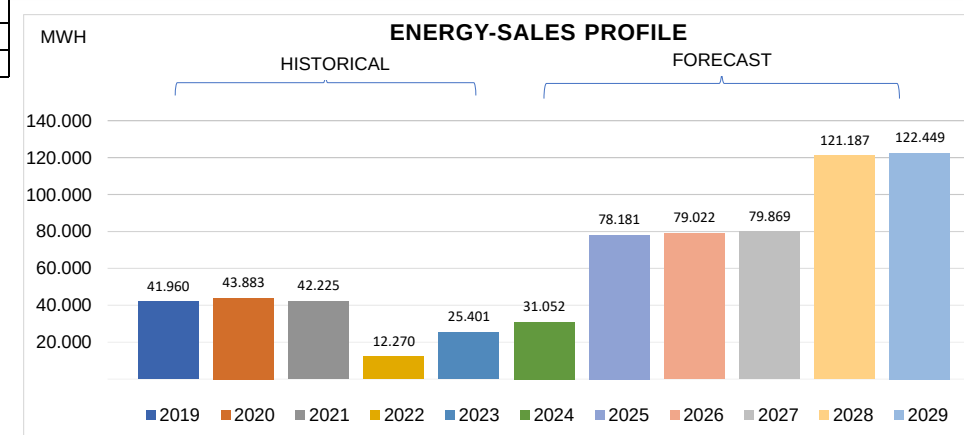
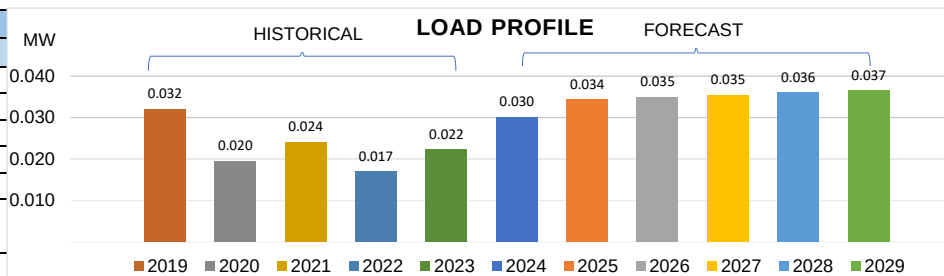
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALICASAG DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Poblacion, Balicasag Island,
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	260
Number of Energized Households	263
Percentage of Energization	101%

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BATASAN DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Batasan, Batasan Island,
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	236
Number of Energized Households	230
Percentage of Energization	97%



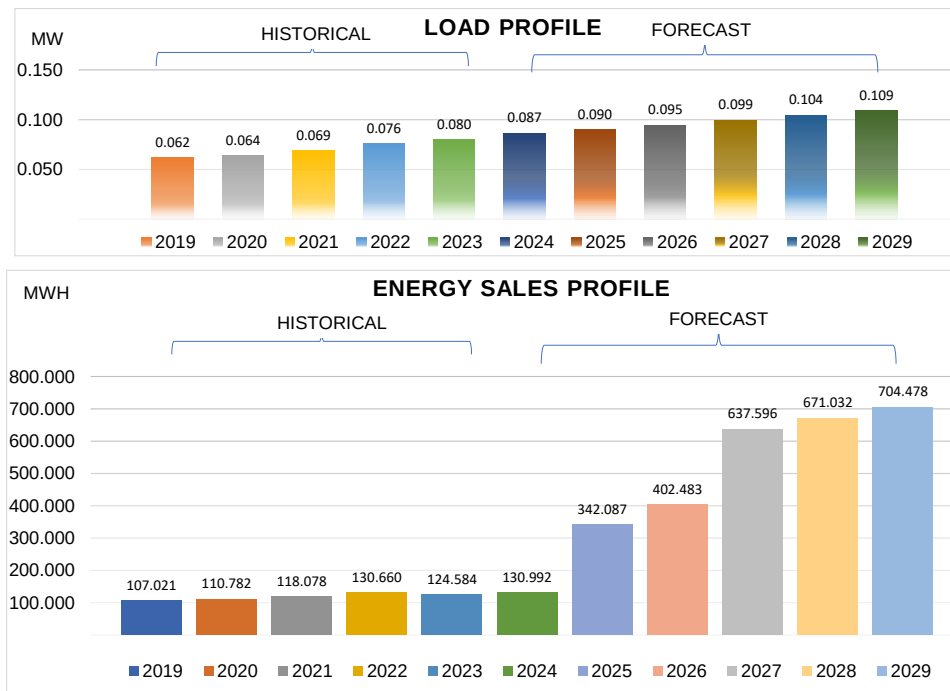
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.032	0.020	0.024	0.017	0.022	0.030	0.034	0.035	0.035	0.036	0.037
Existing Rated Capacity (MW)	0.056	0.056	0.056	0.056	0.056	0.056	0.156	0.156	0.156	0.156	0.156
Existing Dependable Capacity (MW)	0.047	0.047	0.047	0.047	0.047	0.047	0.137	0.137	0.137	0.137	0.137
Capacity Addition (MW)			0.100								
Dependable Capacity of Add. unit (MW)			0.090								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.056	0.056	0.056	0.056	0.056	0.156	0.156	0.156	0.156	0.156	0.156
Total Dependable Capacity (MW)	0.047	0.047	0.047	0.047	0.047	0.137	0.137	0.137	0.137	0.137	0.137
Gross Reserve Capacity (MW)	0.015	0.028	0.023	0.030	0.025	0.107	0.103	0.102	0.102	0.101	0.100
Dependable Capacity of largest unit (MW)	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
Net Reserve Capacity (MW)	-0.032	-0.020	-0.024	-0.017	-0.022	0.060	0.056	0.055	0.055	0.054	0.053
Solar PV (MWp)										0.040	
BESS (MWH)										0.040	
Energy Sales (MWH)	41,960	43,883	42,225	12,270	25,401	31,052	78,181	79,022	79,869	121,187	122,449
Gross Generation (MWH)	42,061	44,044	43,104	12,270	25,528	31,143	78,425	79,266	80,113	121,431	122,693
Operating Hours	8	8	8	8	8	8	16	16	16	24	24

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BATBATAN DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Batbatan, Culasi, Antique
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	ANTECO
Number of Barangays:	1
Number of Households (2020 CENSUS)	722
Number of Energized Households	715
Percentage of Energization	99%



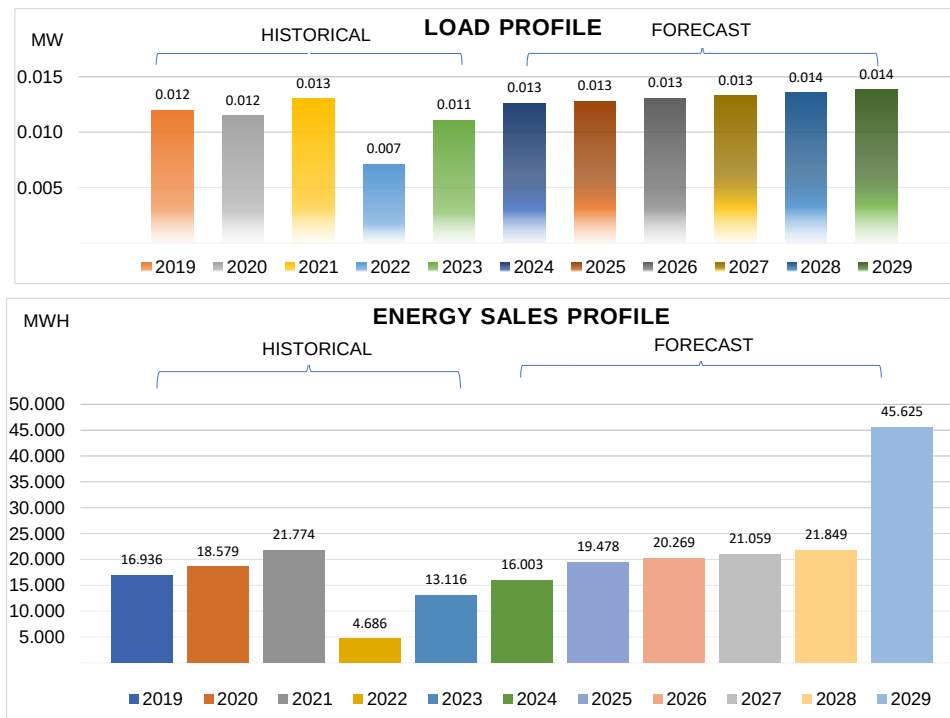
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.062	0.064	0.069	0.076	0.080	0.087	0.090	0.095	0.099	0.104	0.109
Existing Rated Capacity (MW)	0.180	0.180	0.180	0.235	0.335	0.335	0.335	0.335	0.335	0.335	0.335
Existing Dependable Capacity (MW)	0.160	0.140	0.140	0.140	0.220	0.220	0.220	0.220	0.220	0.220	0.220
Capacity Addition (MW)				0.100							
Dependable Capacity of Add. unit (MW)				0.080							
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.180	0.180	0.180	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
Total Dependable Capacity (MW)	0.160	0.140	0.140	0.220	0.140	0.220	0.220	0.220	0.220	0.220	0.220
Gross Reserve Capacity (MW)	0.098	0.076	0.071	0.144	0.060	0.133	0.130	0.125	0.121	0.116	0.111
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.018	-0.004	-0.009	0.064	-0.020	0.053	0.050	0.045	0.041	0.036	0.031
Solar PV (MWp)							0.150				
BESS (MWH)							0.120				
Energy Sales (MWH)	107.021	110.782	118.078	130.660	124.584	130.992	342.087	402.483	637.596	671.032	704.478
Gross Generation (MWH)	107.876	121.796	128.674	134.162	134.682	145.387	342.938	403.334	638.446	671.883	705.329
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

Note: Unit 2 non operational, target date of restoration 27 January 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BILANGBILANGAN DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Bilangbilangan, Bilangbilangan
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	102
Number of Energized Households	99
Percentage of Energization	97%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.012	0.012	0.013	0.007	0.011	0.013	0.013	0.013	0.013	0.014	0.014
Existing Rated Capacity (MW)	0.035	0.055	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Existing Dependable Capacity (MW)	0.029	0.034	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.035	0.055	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Total Dependable Capacity (MW)	0.029	0.034	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Gross Reserve Capacity (MW)	0.017	0.017	0.017	0.010	0.006	0.004	0.004	0.004	0.004	0.003	0.003
Dependable Capacity of largest unit (MW)	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Net Reserve Capacity (MW)				-0.007	-0.011	-0.013	-0.013	-0.013	-0.013	-0.014	-0.014
Solar PV (MWp)										0.020	
BESS (MWH)										0.040	
Energy Sales (MWH)	16.936	18.579	21.774	4.686	13.116	16.003	19.478	20.269	21.059	21.849	45.625
Gross Generation (MWH)	16.984	18.575	22.215	4.687	13.116	15.933	19.482	20.272	21.062	21.852	45.628
Operating Hours	8	8	8	8	8	8	8	8	8	8	16

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.

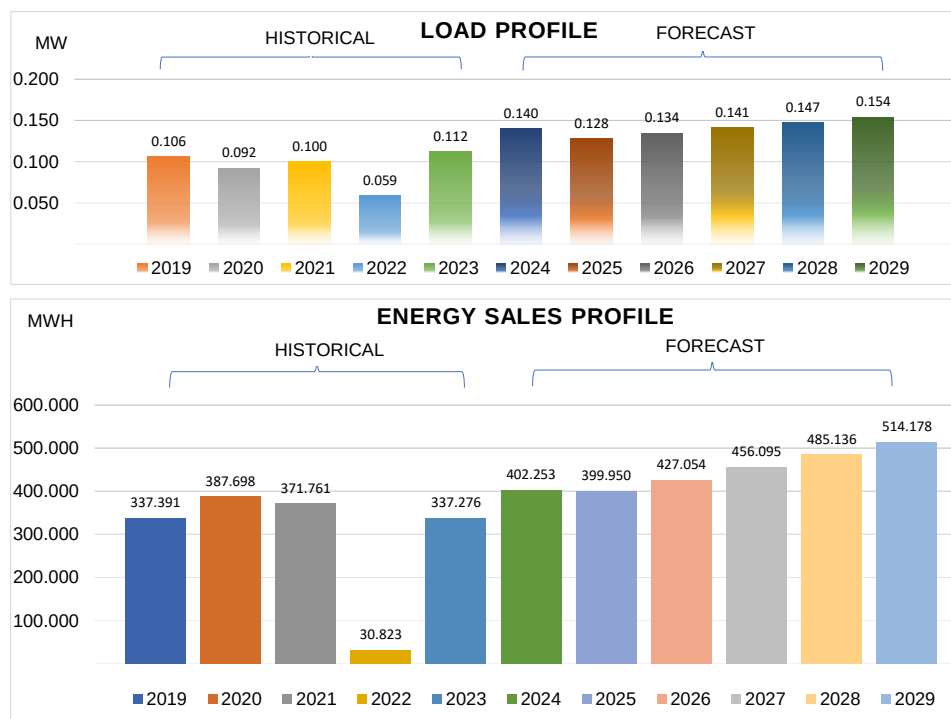
Units 1 and 2 deactivated and recommended for decommissioning

Incoming transfer of genset



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CABUL-AN DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Western Cabul-an, Buenavista,
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	BOHECO II
Number of Barangays:	2
Number of Households (2020 CENSUS)	910
Number of Energized Households	827
Percentage of Energization	91%



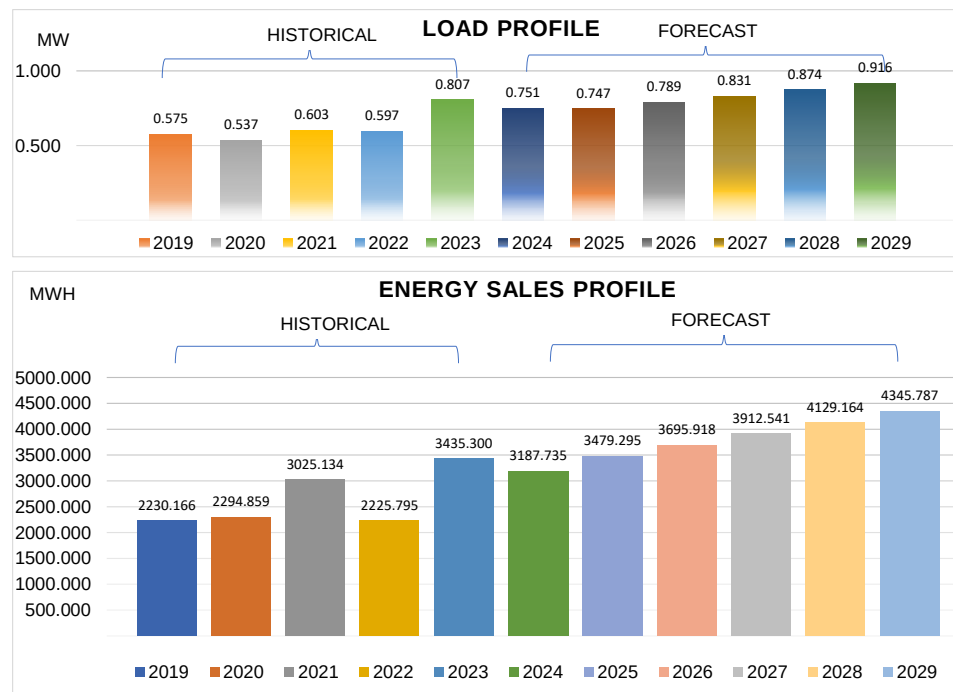
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.106	0.092	0.100	0.059	0.112	0.140	0.128	0.134	0.141	0.147	0.154
Existing Rated Capacity (MW)	0.249	0.374	0.429	0.429	0.529	0.529	0.529	0.529	0.529	0.529	0.529
Existing Dependable Capacity (MW)	0.233	0.336	0.336	0.336	0.426	0.426	0.426	0.426	0.426	0.426	0.426
Capacity Addition (MW)			0.100								
Dependable Capacity of Add. unit (MW)			0.090								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.249	0.374	0.429	0.529	0.529	0.529	0.529	0.529	0.529	0.529	0.529
Total Dependable Capacity (MW)	0.233	0.336	0.336	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426
Gross Reserve Capacity (MW)	0.127	0.244	0.236	0.367	0.314	0.286	0.298	0.292	0.285	0.279	0.272
Dependable Capacity of largest unit (MW)	0.068	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
Net Reserve Capacity (MW)	0.059	0.124	0.116	0.247	0.194	0.166	0.178	0.172	0.165	0.159	0.152
Solar PV (MWp)									0.120		
BESS (MWH)									0.040		
Energy Sales (MWH)	337.391	387.698	371.761	30.823	337.276	402.253	399.950	427.054	456.095	485.136	514.178
Gross Generation (MWH)	345.058	400.702	394.283	32.647	355.290	425.192	408.353	435.457	464.498	493.539	522.580
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CALUYA DPP
Name of Plant Head:	JOHN REY D. ABALO
Address:	Brgy. Poblacion, Caluya, Antique
Contact No.:	0928-839-1710
Email Address:	jrdabalo@napocor.gov.ph
Distribution Utility:	ANTECO
Number of Barangays:	8
Number of Households (2020 CENSUS)	8714
Number of Energized Households	5654
Percentage of Energization	65%



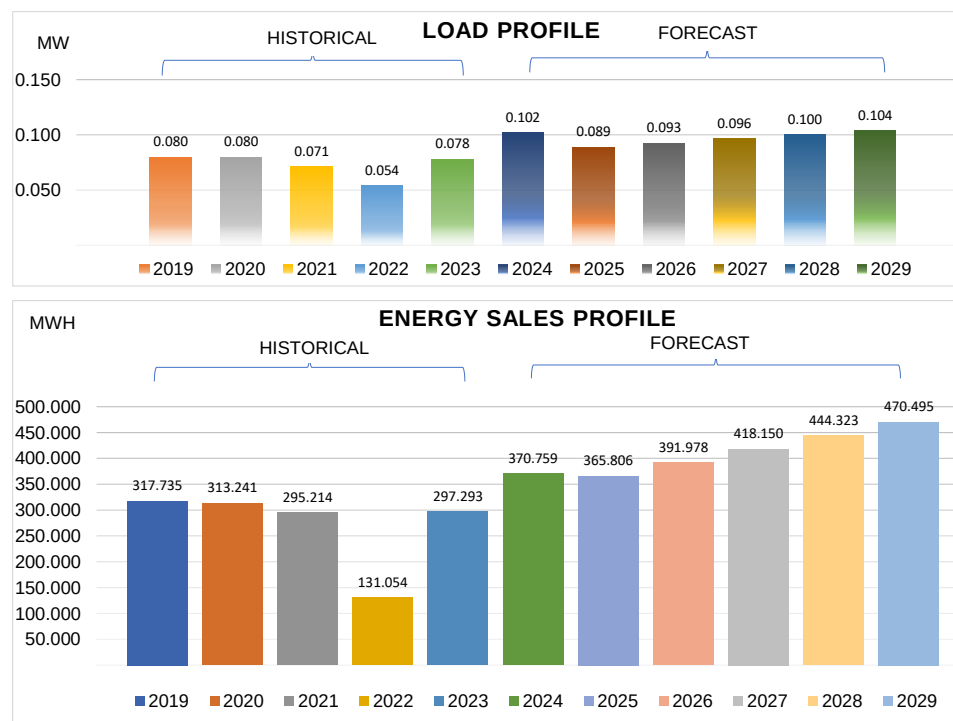
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.575	0.537	0.603	0.597	0.807	0.751	0.747	0.789	0.831	0.874	0.916
Existing Rated Capacity (MW)	1.266	1.266	1.266	1.423	2.223	2.223	2.223	2.223	2.223	2.223	2.223
Existing Dependable Capacity (MW)	0.925	0.880	0.880	0.525	1.125	1.075	0.905	0.905	0.905	0.905	0.905
Capacity Addition (MW)				0.800							
Dependable Capacity of Add. unit (MW)				0.600							
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.266	1.266	1.266	2.223	2.223	2.223	2.223	2.223	2.223	2.223	2.223
Total Dependable Capacity (MW)	0.925	0.880	0.880	1.125	1.125	0.905	0.905	0.905	0.905	0.905	0.905
Gross Reserve Capacity (MW)	0.350	0.343	0.277	0.528	0.318	0.154	0.158	0.116	0.074	0.031	-0.011
Dependable Capacity of largest unit (MW)	0.269	0.269	0.269	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320
Net Reserve Capacity (MW)	0.081	0.074	0.008	0.208	-0.002	-0.166	-0.162	-0.204	-0.246	-0.289	-0.331
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	2230.166	2294.859	3025.134	2225.795	3435.300	3187.735	3479.295	3695.918	3912.541	4129.164	4345.787
Gross Generation (MWH)	2905.186	2282.018	3070.056	2255.924	3479.340	3328.789	3492.543	3709.165	3925.788	4142.411	4359.034
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: Unit 5,6,7,9 and 10 (LGU owned) - decommissioned; Unit 2 (NPC owned) - deactivated and recommended for decommissioning
DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE
Unit 11 (NPC Owned) Non operational due to fuel oil dilution. The target date of restoration is on 15 February 2025.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CUAMING DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Cuaming, Cuaming Island,
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	678
Number of Energized Households	621
Percentage of Energization	92%



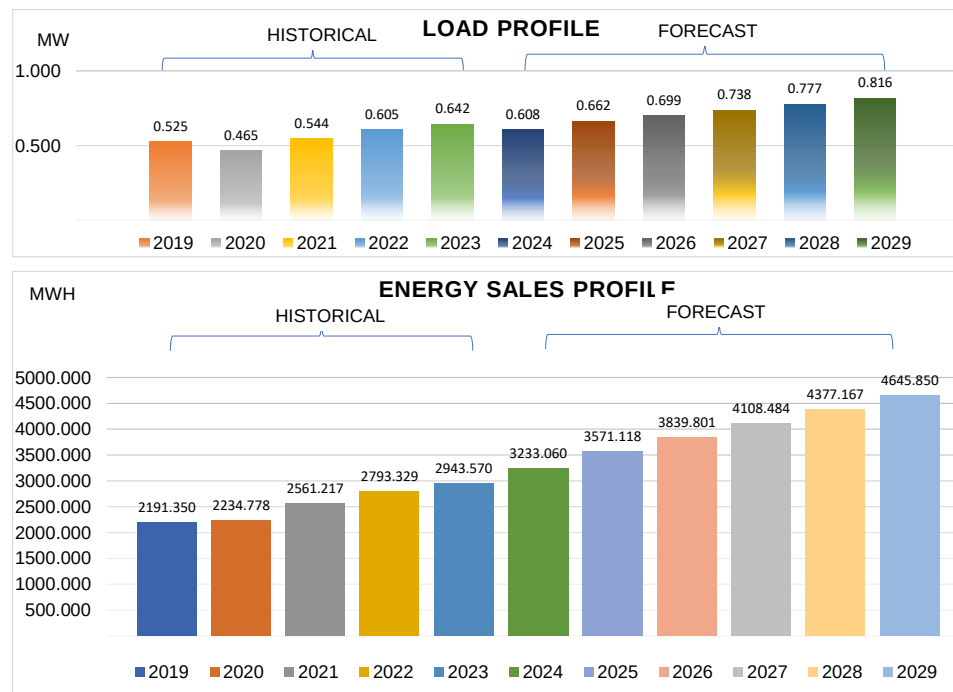
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.080	0.080	0.071	0.054	0.078	0.102	0.089	0.093	0.096	0.100	0.104
Existing Rated Capacity (MW)	0.272	0.272	0.301	0.301	0.401	0.401	0.528	0.528	0.528	0.528	0.528
Existing Dependable Capacity (MW)	0.233	0.233	0.233	0.233	0.323	0.323	0.423	0.423	0.423	0.423	0.423
Capacity Addition (MW)			0.100								
Dependable Capacity of Add. unit (MW)			0.090								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.272	0.272	0.301	0.401	0.401	0.528	0.528	0.528	0.528	0.528	0.528
Total Dependable Capacity (MW)	0.233	0.233	0.233	0.323	0.323	0.423	0.423	0.423	0.423	0.423	0.423
Gross Reserve Capacity (MW)	0.153	0.153	0.162	0.269	0.245	0.321	0.334	0.330	0.327	0.323	0.319
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	0.073	0.073	0.082	0.189	0.165	0.241	0.254	0.250	0.247	0.243	0.239
Solar PV (MWp)						0.055					
BESS (MWH)						0.060					
Energy Sales (MWH)	317.735	313.241	295.214	131.054	297.293	370.759	365.806	391.978	418.150	444.323	470.495
Gross Generation (MWH)	318.794	313.170	302.210	135.555	309.880	377.599	367.852	394.024	420.197	446.369	472.542
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GIGANTES DPP
Name of Plant Head:	ALBERT T. SUAREZ
Address:	Brgy. Granada, Carles, Iloilo
Contact No.:	0918-659-2135
Email Address:	atsuares@napocor.gov.ph
Distribution Utility:	ILECO III
Number of Barangays:	4
Number of Households (2020 CENSUS)	3232
Number of Energized Households	2478
Percentage of Energization	77%

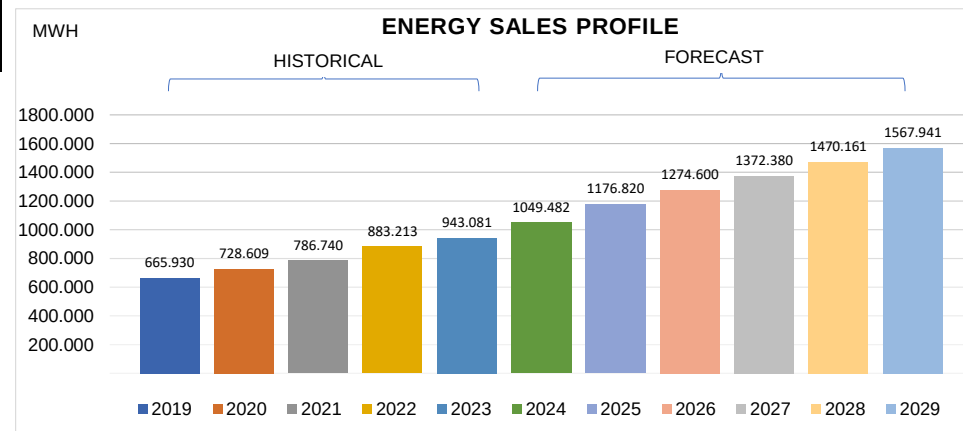
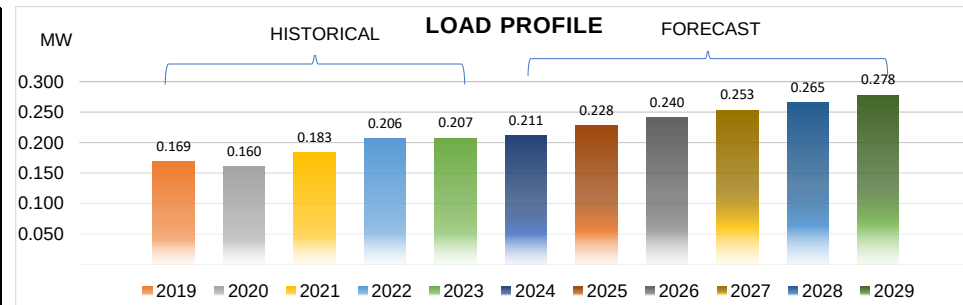


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.525	0.465	0.544	0.605	0.642	0.608	0.662	0.699	0.738	0.777	0.816
Existing Rated Capacity (MW)	0.926	0.926	0.926	0.926	1.526	1.526	1.526	1.526	1.526	1.526	1.526
Existing Dependable Capacity (MW)	0.780	0.780	0.780	0.780	1.260	1.260	1.260	1.260	1.260	1.260	1.260
Capacity Addition (MW)				0.600							
Dependable Capacity of Add. unit (MW)				0.480							
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.926	0.926	0.926	1.526	1.526	1.526	1.526	1.526	1.526	1.526	1.526
Total Dependable Capacity (MW)	0.780	0.780	0.780	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260
Gross Reserve Capacity (MW)	0.255	0.315	0.236	0.655	0.618	0.652	0.598	0.561	0.522	0.483	0.444
Dependable Capacity of largest unit (MW)	0.229	0.229	0.229	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
Net Reserve Capacity (MW)	0.026	0.086	0.007	0.395	0.358	0.392	0.338	0.301	0.262	0.223	0.184
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	2191.350	2234.778	2561.217	2793.329	2943.570	3233.060	3571.118	3839.801	4108.484	4377.167	4645.850
Gross Generation (MWH)	2211.540	2218.203	2622.419	2875.361	3028.035	3579.205	3608.291	3881.069	4153.848	4426.626	4699.405
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: DU has signified to conduct CSP; No Renewable Energy (RE) plans due to planned CSP of DU that includes RE

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

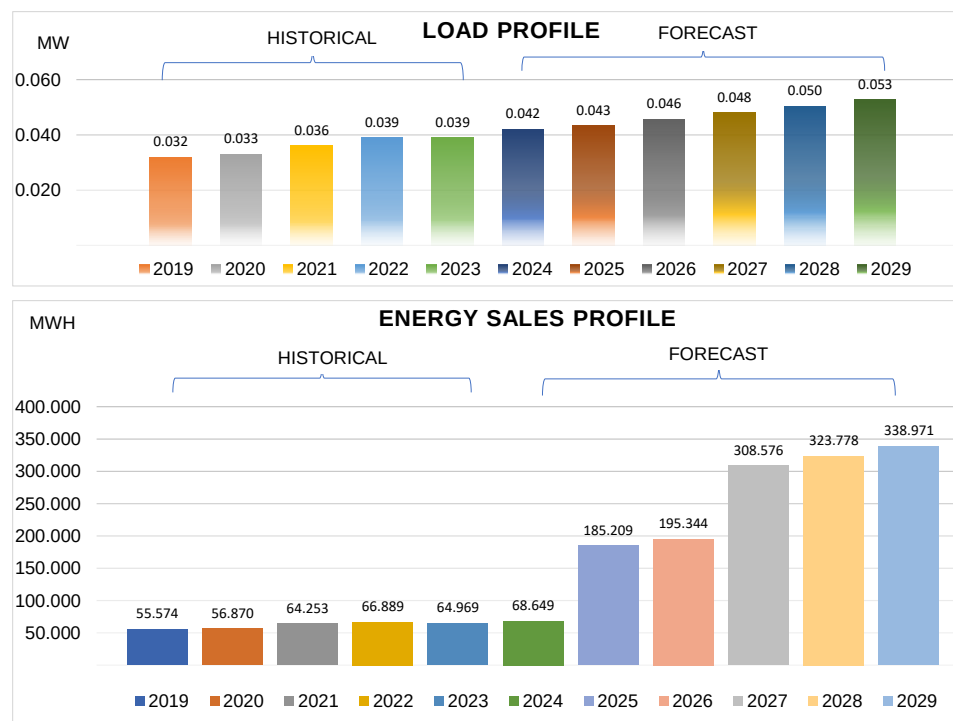
SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	KINATARCAN DPP (GUINTARCAN
Name of Power Plant:	KINATARCAN DPP
Name of Plant Head:	MARCIAL C. OPO JR.
Address:	Brgy. Hagdan, Guintarcán Island, Sta. Fe, Cebu
Email Address:	mjopo@napocor.gov.ph
Distribution Utility:	BANELCO
Number of Barangays:	3
Number of Households (2020 CENSUS)	2012
Number of Energized Households	1369
Percentage of Energization	68%

[illegible]



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GUIWANON DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Guiwanon, Nueva Valencia,
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	GUIMELCO
Number of Barangays:	1
Number of Households (2020 CENSUS)	497
Number of Energized Households	292
Percentage of Energization	59%



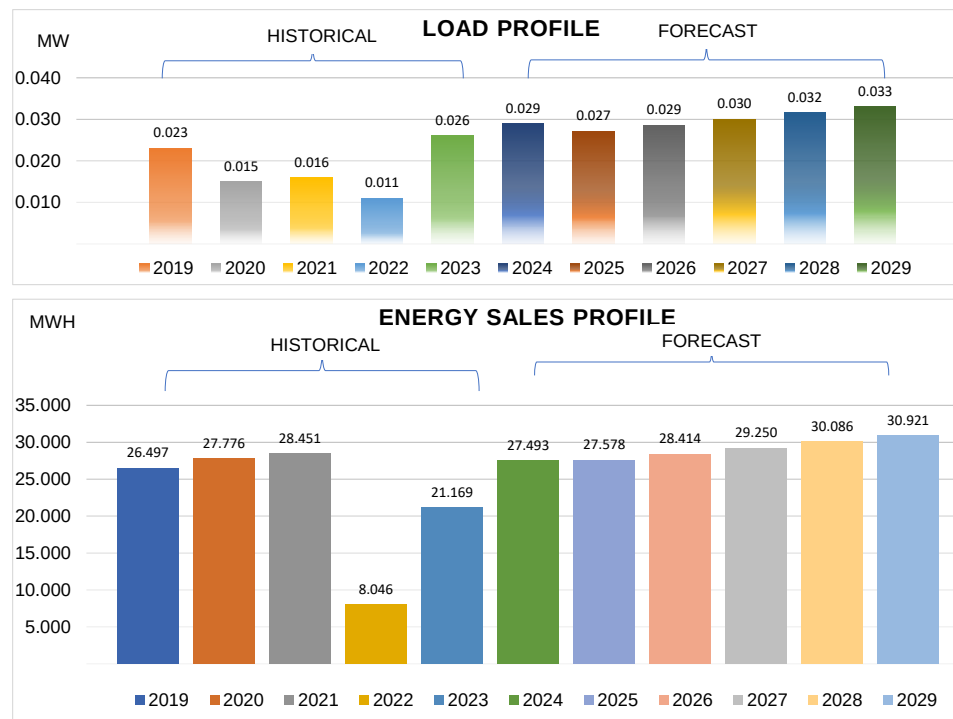
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.032	0.033	0.036	0.039	0.039	0.042	0.043	0.046	0.048	0.050	0.053
Existing Rated Capacity (MW)	0.142	0.116	0.116	0.116	0.116	0.116	0.116	0.216	0.216	0.216	0.216
Existing Dependable Capacity (MW)	0.109	0.112	0.112	0.112	0.112	0.112	0.112	0.192	0.192	0.192	0.192
Capacity Addition (MW)						0.100					
Dependable Capacity of Add. unit (MW)						0.080					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.142	0.116	0.116	0.116	0.116	0.116	0.216	0.216	0.216	0.216	0.216
Total Dependable Capacity (MW)	0.109	0.112	0.112	0.112	0.112	0.112	0.192	0.192	0.192	0.192	0.192
Gross Reserve Capacity (MW)	0.077	0.079	0.076	0.073	0.073	0.070	0.149	0.146	0.144	0.142	0.139
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.003	-0.001	-0.004	-0.007	-0.007	-0.010	0.069	0.066	0.064	0.062	0.059
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	55.574	56.870	64.253	66.889	64.969	68.649	185.209	195.344	308.576	323.778	338.971
Gross Generation (MWH)	56.350	62.337	70.208	69.359	69.221	76.644	185.946	196.078	309.307	324.505	339.695
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

Note: Included in GUIMELCO's Interconnection Project in FY 2025-2026



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	HAMBONGAN DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Hambongan, Hambongan
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	140
Number of Energized Households	125
Percentage of Energization	89%



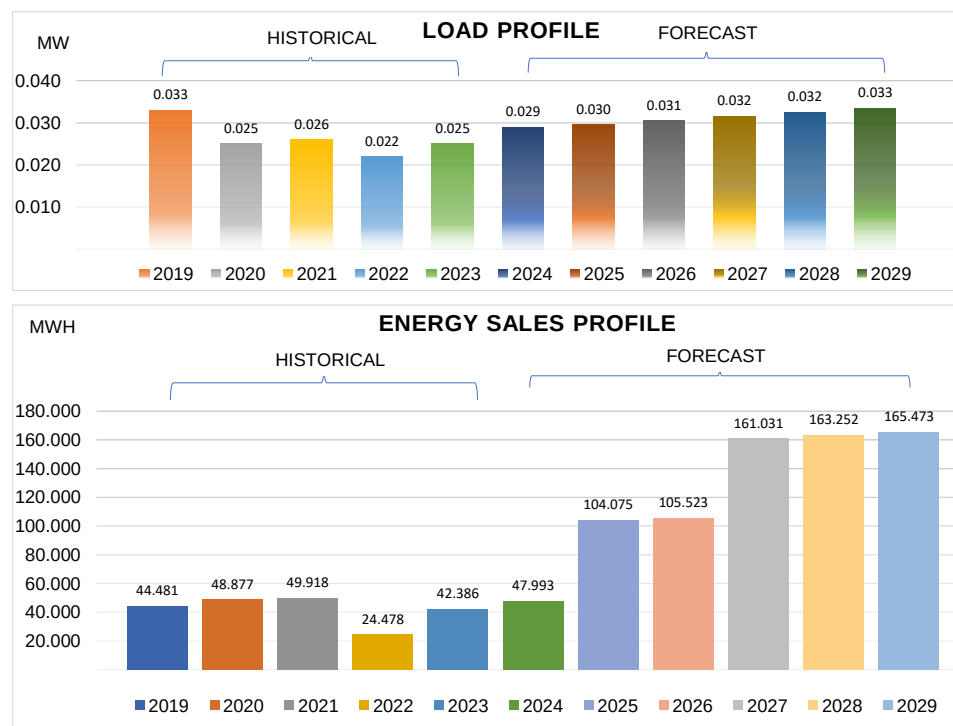
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.023	0.015	0.016	0.011	0.026	0.029	0.027	0.029	0.030	0.032	0.033
Existing Rated Capacity (MW)	0.100	0.080	0.080	0.080	0.080	0.130	0.186	0.186	0.186	0.186	0.186
Existing Dependable Capacity (MW)	0.097	0.080	0.080	0.080	0.080	0.125	0.172	0.172	0.172	0.172	0.172
Capacity Addition (MW)			0.050								
Dependable Capacity of Add. unit (MW)			0.045								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.100	0.080	0.080	0.080	0.130	0.186	0.186	0.186	0.186	0.186	0.186
Total Dependable Capacity (MW)	0.097	0.080	0.080	0.080	0.125	0.172	0.172	0.172	0.172	0.172	0.172
Gross Reserve Capacity (MW)	0.074	0.065	0.064	0.069	0.099	0.143	0.145	0.143	0.142	0.140	0.139
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.006	-0.015	-0.016	-0.011	0.019	0.063	0.065	0.063	0.062	0.060	0.059
Solar PV (MWp)										0.050	
BESS (MWH)										0.040	
Energy Sales (MWH)	26.497	27.776	28.451	8.046	21.169	27.493	27.578	28.414	29.250	30.086	30.921
Gross Generation (MWH)	26.834	28.172	29.413	8.211	21.464	27.738	27.992	28.857	29.721	30.586	31.451
Operating Hours	8	8	8	8	8	8	8	8	8	8	16

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MANTATAO DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Mantatao, Mantatao Island,
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	213
Number of Energized Households	196
Percentage of Energization	92%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.033	0.025	0.026	0.022	0.025	0.029	0.030	0.031	0.032	0.032	0.033
Existing Rated Capacity (MW)	0.106	0.118	0.118	0.150	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Existing Dependable Capacity (MW)	0.080	0.080	0.080	0.130	0.220	0.220	0.220	0.220	0.220	0.220	0.220
Capacity Addition (MW)			0.100								
Dependable Capacity of Add. unit (MW)			0.090								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.106	0.118	0.118	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Total Dependable Capacity (MW)	0.080	0.080	0.080	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220
Gross Reserve Capacity (MW)	0.047	0.055	0.054	0.198	0.195	0.191	0.190	0.189	0.188	0.188	0.187
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.033	-0.025	-0.026	0.118	0.115	0.111	0.110	0.109	0.108	0.108	0.107
Solar PV (MWp)										0.040	
BESS (MWH)										0.040	
Energy Sales (MWH)	44.481	48.877	49.918	24.478	42.386	47.993	104.075	105.523	161.031	163.252	165.473
Gross Generation (MWH)	44.631	49.136	51.277	24.796	43.328	50.311	105.044	106.592	162.200	164.522	166.843
Operating Hours	8	8	8	8	8	8	16	16	24	24	24

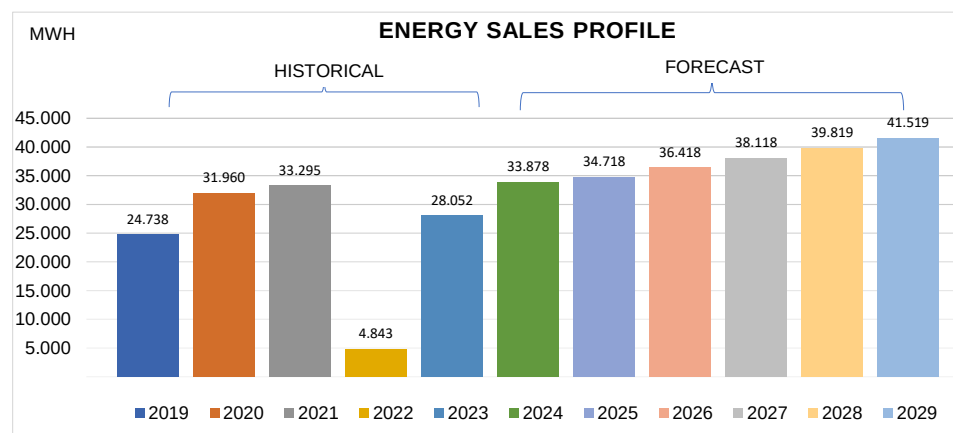
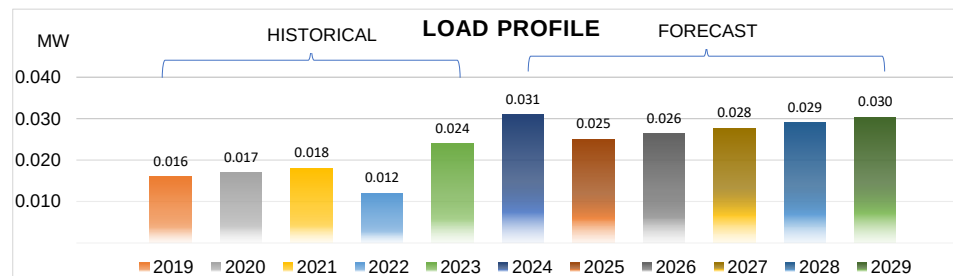
Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.

Unit 1 - deactivated



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MOCABOC DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Mocaboc, Mocaboc Island,
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	151
Number of Energized Households	133
Percentage of Energization	88%



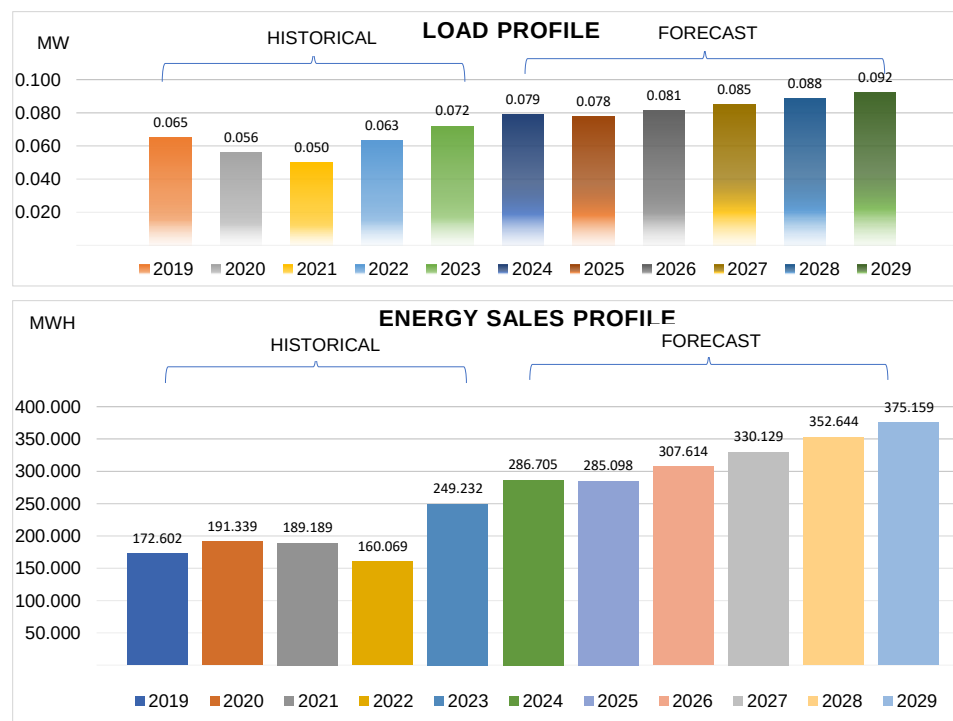
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.016	0.017	0.018	0.012	0.024	0.031	0.025	0.026	0.028	0.029	0.030
Existing Rated Capacity (MW)	0.020	0.050	0.050	0.050	0.050	0.100	0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)	0.017	0.050	0.050	0.050	0.050	0.095	0.095	0.095	0.095	0.095	0.095
Capacity Addition (MW)			0.050								
Dependable Capacity of Add. unit (MW)			0.045								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.020	0.050	0.050	0.050	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)	0.017	0.050	0.050	0.050	0.095	0.095	0.095	0.095	0.095	0.095	0.095
Gross Reserve Capacity (MW)	0.001	0.033	0.032	0.038	0.071	0.064	0.070	0.069	0.067	0.066	0.065
Dependable Capacity of largest unit (MW)	0.017	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)	-0.016	-0.017	-0.018	-0.012	0.021	0.014	0.020	0.019	0.017	0.016	0.015
Solar PV (MWp)										0.030	
BESS (MWH)										0.020	
Energy Sales (MWH)	24.738	31.960	33.295	4.843	28.052	33.878	34.718	36.418	38.118	39.819	41.519
Gross Generation (MWH)	24.839	31.982	33.962	4.879	28.231	33.926	34.883	36.583	38.283	39.984	41.684
Operating Hours	8	8	8	8	8	8	8	8	8	8	16

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PAMILACAN DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Pamilacan, Pamilacan Island,
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	364
Number of Energized Households	304
Percentage of Energization	84%



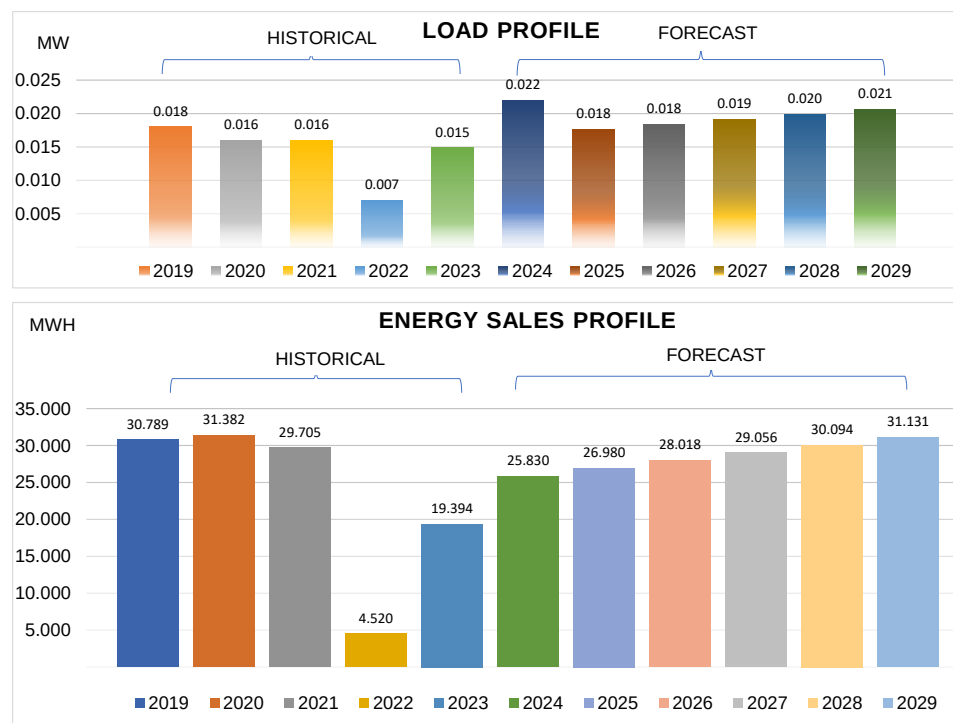
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.065	0.056	0.050	0.063	0.072	0.079	0.078	0.081	0.085	0.088	0.092
Existing Rated Capacity (MW)	0.305	0.305	0.210	0.210	0.310	0.310	0.310	0.310	0.310	0.310	0.310
Existing Dependable Capacity (MW)	0.130	0.210	0.210	0.210	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Capacity Addition (MW)			0.100								
Dependable Capacity of Add. unit (MW)			0.090								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.305	0.305	0.210	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310
Total Dependable Capacity (MW)	0.130	0.210	0.210	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Gross Reserve Capacity (MW)	0.065	0.154	0.160	0.237	0.228	0.221	0.222	0.219	0.215	0.212	0.208
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.015	0.074	0.080	0.157	0.148	0.141	0.142	0.139	0.135	0.132	0.128
Solar PV (MWp)											
BESS (MWH)											
Energy Sales (MWH)	172,602	191,339	189,189	160,069	249,232	286,705	285,098	307,614	330,129	352,644	375,159
Gross Generation (MWH)	175,216	193,013	195,086	162,343	253,003	291,609	288,944	311,902	334,860	357,817	380,775
Operating Hours	24	24	24	24	24	24	24	24	24	24	24

Note: With existing roof mounted Solar PV system owned by BOHECO I



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PANGAPASAN DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Pangapasan, Pangapasan
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	142
Number of Energized Households	127
Percentage of Energization	89%



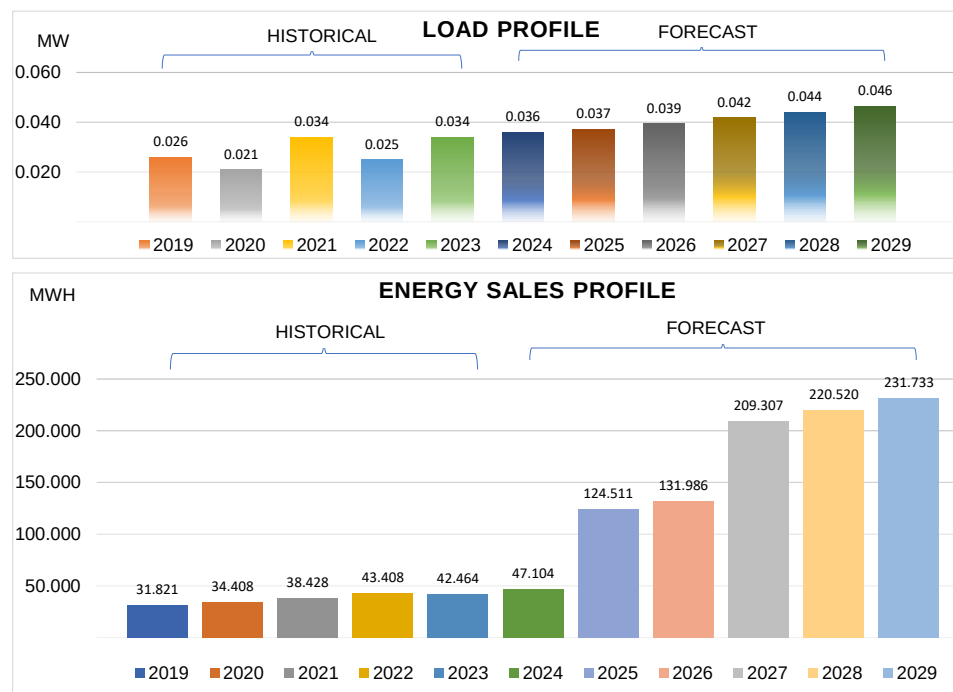
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.018	0.016	0.016	0.007	0.015	0.022	0.018	0.018	0.019	0.020	0.021
Existing Rated Capacity (MW)	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Existing Dependable Capacity (MW)	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Total Dependable Capacity (MW)	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
Gross Reserve Capacity (MW)	0.014	0.016	0.016	0.025	0.017	0.010	0.014	0.014	0.013	0.012	0.011
Dependable Capacity of largest unit (MW)	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
Net Reserve Capacity (MW)	-0.018	-0.016	-0.016	-0.007	-0.015	-0.022	-0.018	-0.018	-0.019	-0.020	-0.021
Solar PV (MWp)										0.030	
BESS (MWH)										0.010	
Energy Sales (MWH)	30.789	31.382	29.705	4.520	19.394	25.830	26.980	28.018	29.056	30.094	31.131
Gross Generation (MWH)	30.978	31.649	30.475	4.520	19.394	25.741	26.998	28.036	29.073	30.111	31.149
Operating Hours	8	8	8	8	8	8	8	8	8	8	16

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SIBOLO DPP
Name of Plant Head:	JANRYLL S. MONGCOPA
Address:	Brgy. Sibolo, Caluya, Antique
Contact No.:	0919-602-3556
Email Address:	jsmongcopa@napocor.gov.ph
Distribution Utility:	ANTECO
Number of Barangays:	1
Number of Households (2020 CENSUS)	330
Number of Energized Households	230
Percentage of Energization	70%

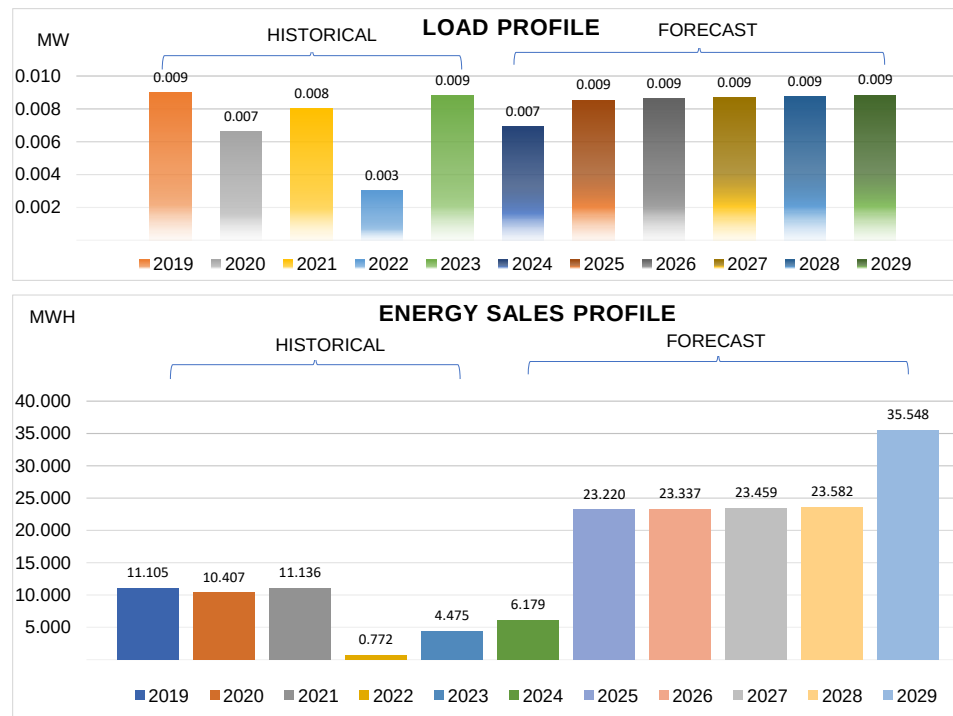


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.026	0.021	0.034	0.025	0.034	0.036	0.037	0.039	0.042	0.044	0.046
Existing Rated Capacity (MW)	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.190	0.190	0.190	0.190
Existing Dependable Capacity (MW)	0.104	0.104	0.104	0.104	0.104	0.110	0.110	0.174	0.174	0.174	0.174
Capacity Addition (MW)						0.080					
Dependable Capacity of Add. unit (MW)						0.064					
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.110	0.110	0.110	0.110	0.110	0.110	0.190	0.190	0.190	0.190	0.190
Total Dependable Capacity (MW)	0.104	0.104	0.104	0.104	0.104	0.110	0.174	0.174	0.174	0.174	0.174
Gross Reserve Capacity (MW)	0.078	0.083	0.070	0.079	0.070	0.074	0.137	0.135	0.132	0.130	0.128
Dependable Capacity of largest unit (MW)	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
Net Reserve Capacity (MW)	-0.002	0.003	-0.010	-0.001	-0.010	-0.006	0.057	0.055	0.052	0.050	0.048
Solar PV (MWp)							0.040				
BESS (MWH)							0.060				
Energy Sales (MWH)	31,821	34,408	38,428	43,408	42,464	47,104	124,511	131,986	209,307	220,520	231,733
Gross Generation (MWH)	32,264	37,672	41,737	45,328	46,129	51,901	124,742	132,218	209,539	220,752	231,965
Operating Hours	8	8	8	8	8	8	16	16	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	UBAY DPP
Name of Plant Head:	REMIGIO A. MARIGOMEN
Address:	Brgy. Ubay, Ubay Island, Tubigon,
Contact No.:	0921-564-7744
Email Address:	ramarigomen@napocor.gov.ph
Distribution Utility:	BOHECO I
Number of Barangays:	1
Number of Households (2020 CENSUS)	64
Number of Energized Households	58
Percentage of Energization	91%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.009	0.007	0.008	0.003	0.009	0.007	0.009	0.009	0.009	0.009	0.009
Existing Rated Capacity (MW)	0.012	0.012	0.012	0.012	0.012	0.012	0.032	0.032	0.032	0.032	0.032
Existing Dependable Capacity (MW)	0.010	0.010	0.010	0.010	0.010	0.010	0.028	0.028	0.028	0.028	0.028
Capacity Addition (MW)			0.040								
Dependable Capacity of Add. unit (MW)			0.028								
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.012	0.012	0.012	0.012	0.012	0.032	0.032	0.032	0.032	0.032	0.032
Total Dependable Capacity (MW)	0.010	0.010	0.010	0.010	0.010	0.028	0.028	0.028	0.028	0.028	0.028
Gross Reserve Capacity (MW)	0.001	0.003	0.002	0.007	0.001	0.021	0.019	0.019	0.019	0.019	0.019
Dependable Capacity of largest unit (MW)	0.010	0.010	0.010	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Net Reserve Capacity (MW)	-0.009	-0.007	-0.008	-0.007	-0.013	0.007	0.005	0.005	0.005	0.005	0.005
Solar PV (MWp)										0.020	
BESS (MWH)										0.020	
Energy Sales (MWH)	11.105	10.407	11.136	0.772	4.475	6.179	23.220	23.337	23.459	23.582	35.548
Gross Generation (MWH)	11.158	10.437	11.393	0.772	4.475	6.142	23.220	23.337	23.459	23.582	35.548
Operating Hours	8	8	8	8	8	8	16	16	16	16	24

Note: Low load and energy sales in CY 2022 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN PEDRO DPP
Name of Plant Head:	N/A
Address:	San Pedro, Hinunangan, Southern Leyte
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	SOLECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	No Data
Number of Energized Households	0
Percentage of Energization	

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.029	0.031	0.034	0.036	0.038
Existing Rated Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Gross Reserve Capacity (MW)							0.006	0.004	0.001	(0.001)	(0.003)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.015)	(0.017)	(0.020)	(0.022)	(0.024)
Solar PV (MWp)											0.900
BESS (MWh)											0.225
Energy Sales (MWH)							67.860	72.724	77.819	83.154	88.739
Gross Generation (MWH)							68.539	73.452	78.597	83.986	89.626
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAN PABLO DPP
Name of Plant Head:	N/A
Address:	San Pablo, Hinunangan, Southern Leyte
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	SOLECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	No Data
Number of Energized Households	0
Percentage of Energization	

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.020	0.022	0.023	0.025	0.026
Existing Rated Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Gross Reserve Capacity (MW)							0.015	0.013	0.012	0.010	0.009
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.006)	(0.008)	(0.009)	(0.011)	(0.012)
Solar PV (MWp)											0.090
BESS (MWh)											0.225
Energy Sales (MWH)							68.476	73.223	78.192	83.394	88.837
Gross Generation (MWH)							69.161	73.955	78.974	84.228	89.726
Operating Hours							8	8	8	8	8

Note:



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>TAGUBANHAN DPP</u>
Name of Plant Head:	N/A
Address:	Sitio Palina Grande, Tagubanhhan Island, Ajuy, Iloilo
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	ILECO III
Number of Barangays:	5
Number of Households (2020 CENSUS):	1237
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.075	0.093	0.108	0.116	0.124	0.133
Existing Rated Capacity (MW)						0.390	0.390	0.390	0.390	0.390	0.390
Existing Dependable Capacity (MW)						0.312	0.312	0.312	0.312	0.312	0.312
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)						0.390	0.390	0.390	0.390	0.390	0.390
Total Dependable Capacity (MW)						0.312	0.312	0.312	0.312	0.312	0.312
Gross Reserve Capacity (MW)						0.237	0.219	0.204	0.196	0.188	0.179
Dependable Capacity of largest unit (MW)						0.096	0.084	0.084	0.084	0.084	0.084
Net Reserve Capacity (MW)						0.141	0.135	0.120	0.112	0.104	0.095
Solar PV (MWp)											0.170
BESS (MWh)											0.430
Energy Sales (MWH)							218.791	490.567	526.977	849.006	911.603
Gross Generation (MWH)							220.978	495.473	532.246	857.496	920.720
Operating Hours							8	16	16	24	24

Note: Started its commercial operation on June 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MOLOCABOC DPP
Name of Plant Head:	N/A
Address:	Molocaboc, Sagay City, Negros Occidental
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	NONECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	987
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.062	0.068	0.079	0.087	0.094
Existing Rated Capacity (MW)							0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)							0.070	0.070	0.070	0.070	0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)							0.070	0.070	0.070	0.070	0.070
Gross Reserve Capacity (MW)							0.008	0.002	(0.009)	(0.017)	(0.024)
Dependable Capacity of largest unit (MW)							0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)							(0.027)	(0.033)	(0.044)	(0.052)	(0.059)
Solar PV (MWp)											0.190
BESS (MWh)											0.480
Energy Sales (MWH)							144.035	157.058	171.233	186.659	203.413
Gross Generation (MWH)							145.476	158.629	172.945	188.526	205.447
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>MALINGIN DPP</u>
Name of Plant Head:	N/A
Address:	Malingin, Bien Unido, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	323
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.060	0.062	0.064	0.066	0.068
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							(0.018)	(0.020)	(0.022)	(0.024)	(0.026)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.039)	(0.041)	(0.043)	(0.045)	(0.047)
Solar PV (MWp)											0.150
BESS (MWh)											0.360
Energy Sales (MWH)							130.036	134.379	138.846	143.441	148.142
Gross Generation (MWH)							131.336	135.723	140.235	144.875	149.624
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on March 2025. Data shown are forecast only



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MAOMAWAN DPP
Name of Plant Head:	N/A
Address:	Maomawan, Bien Unido, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	350
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.053	0.054	0.056	0.058	0.060
Existing Rated Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Gross Reserve Capacity (MW)							(0.018)	(0.019)	(0.021)	(0.023)	(0.025)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.039)	(0.040)	(0.042)	(0.044)	(0.046)
Solar PV (MWp)											0.160
BESS (MWh)											0.390
Energy Sales (MWH)							113.868	117.671	121.582	125.606	129.723
Gross Generation (MWH)							115.006	118.847	122.798	126.862	131.020
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on March 2025. Data shown are forecast only



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAGASA DPP
Name of Plant Head:	N/A
Address:	Sagasa, Bien Unido, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	307
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.060	0.062	0.064	0.067	0.069
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							(0.018)	(0.020)	(0.022)	(0.025)	(0.027)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.039)	(0.041)	(0.043)	(0.046)	(0.048)
Solar PV (MWp)											0.150
BESS (MWh)											0.360
Energy Sales (MWH)							130.829	135.198	139.693	144.316	149.046
Gross Generation (MWH)							132.137	136.550	141.090	145.759	150.536
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on March 2025. Data shown are forecast only



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GAUS DPP
Name of Plant Head:	N/A
Address:	Gaus, CP Garcia, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	244
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.047	0.051	0.054	0.068	0.072
Existing Rated Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.050	0.050	0.050	0.050	0.050
Total Dependable Capacity (MW)							0.035	0.035	0.035	0.035	0.035
Gross Reserve Capacity (MW)							(0.012)	(0.016)	(0.019)	(0.033)	(0.037)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.033)	(0.037)	(0.040)	(0.054)	(0.058)
Solar PV (MWp)											0.125
BESS (MWh)											0.310
Energy Sales (MWH)							102.780	109.875	117.443	125.513	134.096
Gross Generation (MWH)							103.808	110.974	118.617	126.768	135.437
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on March 2025. Data shown are forecast only



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	CATABAN DPP
Name of Plant Head:	N/A
Address:	Cataban, Talibon, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	294
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.034	0.035	0.037	0.039	0.041
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							0.008	0.007	0.005	0.003	0.001
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.013)	(0.014)	(0.016)	(0.018)	(0.020)
Solar PV (MWp)											0.100
BESS (MWh)											0.245
Energy Sales (MWH)							71.487	76.794	80.537	84.450	88.527
Gross Generation (MWH)							72.202	77.562	81.343	85.295	89.412
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>HINGOTANAN DPP</u>
Name of Plant Head:	N/A
Address:	Hingotanan West, Bien Unido, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	2
Number of Households (2020 CENSUS):	815
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.116	0.120	0.124	0.128	0.132
Existing Rated Capacity (MW)							0.175	0.175	0.175	0.175	0.175
Existing Dependable Capacity (MW)							0.123	0.123	0.123	0.123	0.123
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.175	0.175	0.175	0.175	0.175
Total Dependable Capacity (MW)							0.123	0.123	0.123	0.123	0.123
Gross Reserve Capacity (MW)							0.007	0.003	(0.001)	(0.005)	(0.009)
Dependable Capacity of largest unit (MW)							0.070	0.070	0.070	0.070	0.070
Net Reserve Capacity (MW)							(0.063)	(0.067)	(0.071)	(0.075)	(0.079)
Solar PV (MWp)											0.360
BESS (MWh)											0.910
Energy Sales (MWH)							251.005	259.388	268.012	276.881	285.955
Gross Generation (MWH)							253.515	261.982	270.692	279.649	288.815
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on March 2025. Data shown are forecast only



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>BILANGBILANGAN II DPP</u>
Name of Plant Head:	N/A
Address:	Bilangbilangan Diot, Bien Unido, Bohol
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BOHECO II
Number of Barangays:	2
Number of Households (2020 CENSUS):	589
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.113	0.116	0.118	0.141	0.143
Existing Rated Capacity (MW)							0.125	0.125	0.125	0.125	0.125
Existing Dependable Capacity (MW)							0.088	0.088	0.088	0.088	0.088
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.125	0.125	0.125	0.125	0.125
Total Dependable Capacity (MW)							0.088	0.088	0.088	0.088	0.088
Gross Reserve Capacity (MW)							(0.025)	(0.029)	(0.031)	(0.053)	(0.056)
Dependable Capacity of largest unit (MW)							0.053	0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)							(0.078)	(0.081)	(0.083)	(0.106)	(0.108)
Solar PV (MWp)											0.310
BESS (MWh)											0.770
Energy Sales (MWH)							244.079	251.390	256.292	261.252	266.226
Gross Generation (MWH)							246.519	253.903	258.855	263.864	268.888
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>CANHAWAN GOTE DPP</u>
Name of Plant Head:	N/A
Address:	Canhawan Gote, Catbalogan City, Samar
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	SAMELCO II
Number of Barangays:	1
Number of Households (2020 CENSUS):	83
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.032	0.035	0.046	0.049
Existing Rated Capacity (MW)								0.055	0.055	0.055	0.055
Existing Dependable Capacity (MW)								0.039	0.039	0.039	0.039
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)								0.055	0.055	0.055	0.055
Total Dependable Capacity (MW)								0.039	0.039	0.039	0.039
Gross Reserve Capacity (MW)								0.007	0.004	(0.007)	(0.010)
Dependable Capacity of largest unit (MW)								0.014	0.014	0.014	0.014
Net Reserve Capacity (MW)								(0.007)	(0.010)	(0.021)	(0.024)
Solar PV (MWp)								0.175			
BESS (MWh)								0.450			
Energy Sales (MWH)								49.765	81.587	107.139	114.804
Gross Generation (MWH)								50.262	82.403	108.210	115.952
Operating Hours								8	8	8	8

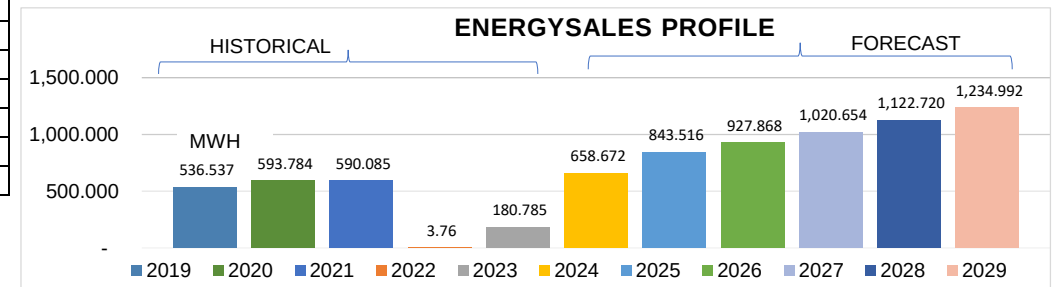
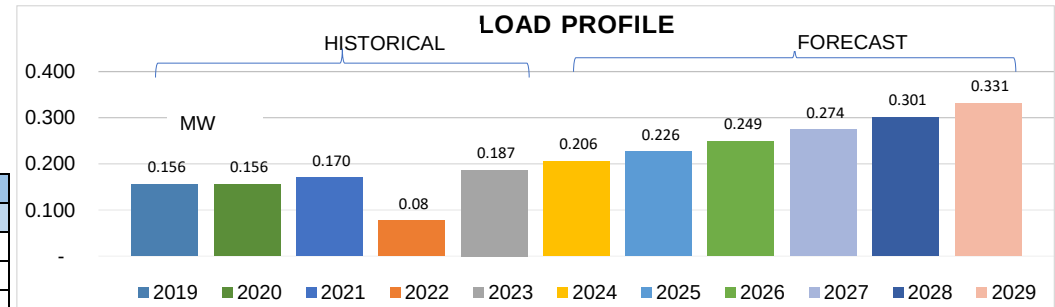
Note:



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>HIKDOP DPP</u>
Name of Plant Head:	REYNANTE P. MACUNO
Address:	Brgy. Buenavista, Hikdop, Surigao, Surigao Del Norte
Contact No.:	0907-033-8818
Email Address:	rpmacuno@napocor.gov.ph
Distribution Utility:	SURNECO
Number of Barangays:	8
Number of Households (2020 CENSUS):	1039
Number of Energized Households	1,071
Percentage of Energization	103%

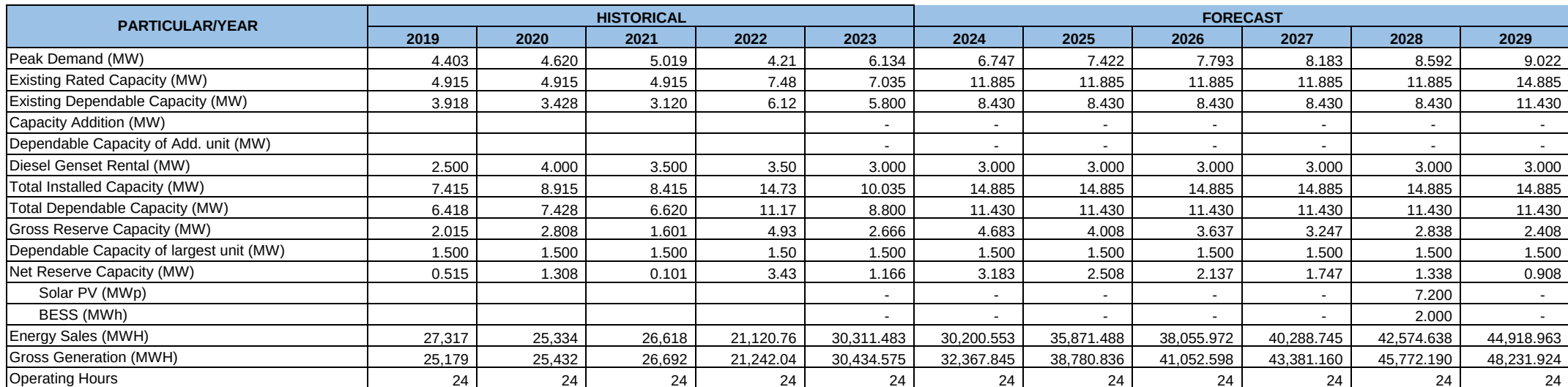


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.156	0.156	0.170	0.08	0.187	0.206	0.226	0.249	0.274	0.301	0.331
Existing Rated Capacity (MW)	0.523	0.523	0.523	0.67	0.868	0.868	0.868	0.868	0.868	0.868	0.868
Existing Dependable Capacity (MW)	0.466	0.466	0.466	0.47	0.666	0.666	0.666	0.666	0.666	0.666	0.666
Capacity Addition (MW)				0.20							
Dependable Capacity of Add. unit (MW)				0.14							
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.523	0.523	0.523	0.67	0.868	0.868	0.868	0.868	0.868	0.868	0.868
Total Dependable Capacity (MW)	0.466	0.466	0.466	0.47	0.666	0.666	0.666	0.666	0.666	0.666	0.666
Gross Reserve Capacity (MW)	0.310	0.310	0.296	0.39	0.479	0.460	0.440	0.417	0.392	0.365	0.335
Dependable Capacity of largest unit (MW)	0.170	0.170	0.170	0.17	0.170	0.170	0.170	0.170	0.170	0.170	0.170
Net Reserve Capacity (MW)	0.140	0.140	0.126	0.22	0.309	0.290	0.270	0.247	0.222	0.195	0.165
Solar PV (MWp)					-	-	-	-	0.200	-	-
BESS (MWh)					-	-	-	-	0.060	-	-
Energy Sales (MWH)	536.537	593.784	590.085	3.76	180.785	658.672	843.516	927.868	1,020.654	1,122.720	1,234.992
Gross Generation (MWH)	577.159	638.355	651.855	3.95	211.140	736.338	867.619	954.381	1,049.819	1,154.801	1,270.281
Operating Hours	24	24	24	24.00	16	16	24	24	24	24	24

Note: Low load and energy sales in CY 2022 & 2023 is due to the damages caused Typhoon Odette to NPC, DU facilities and the community on 16 December 2021.

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

Year	Load (MW)	Category
2019	4,403	Historical
2020	4,620	Historical
2021	5,019	Historical
2022	4,21	Historical
2023	6,134	Forecast
2024	6,747	Forecast
2025	7,422	Forecast
2026	7,793	Forecast
2027	8,183	Forecast
2028	8,592	Forecast
2029	9,022	Forecast

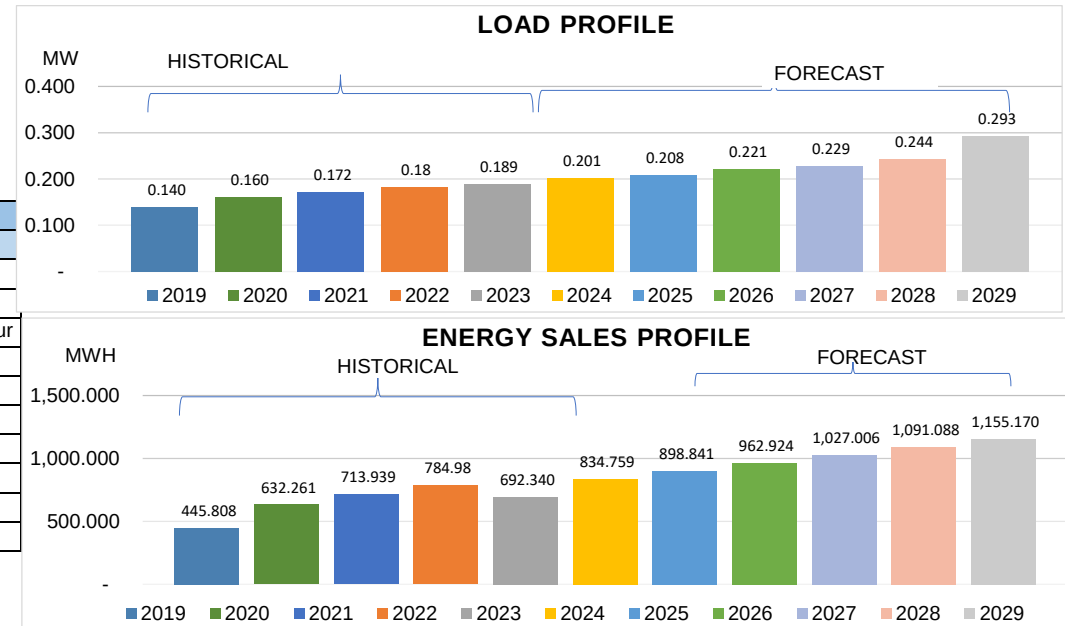




NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

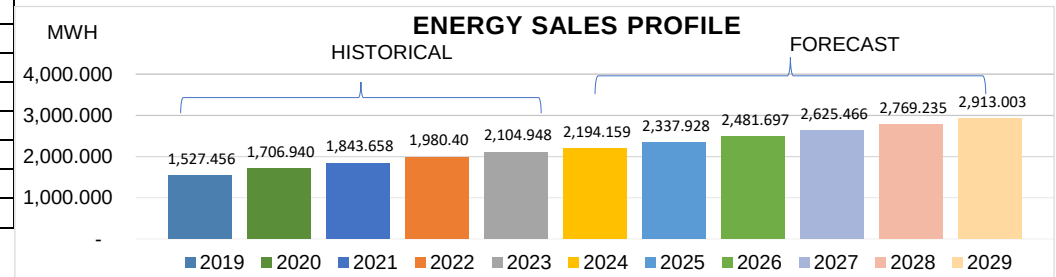
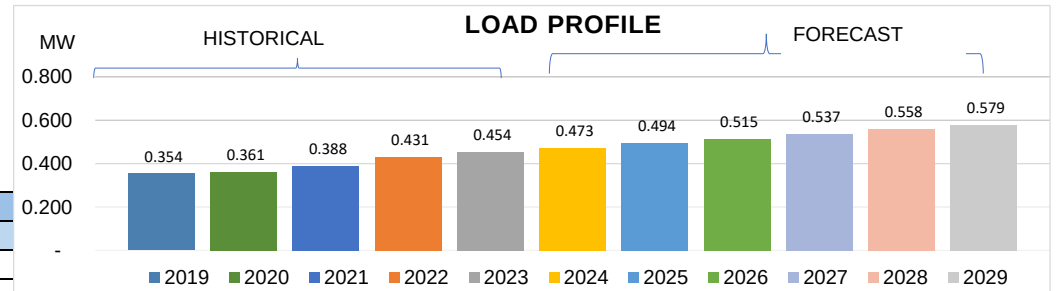
MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SACOL DPP
Name of Plant Head:	ABDULSANA M. HASINON
Address:	Brgy. Busay, Sacol Island, Zamboanga City, Zamboanga Del Sur
Contact No.:	0908 181-9419
Email Address:	am_hasinon@yahoo.com.ph
Distribution Utility:	ZAMCELCO
Number of Barangays:	4
Number of Households (2020 CENSUS):	2,627
Number of Energized Households	735
Percentage of Energization	28%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.140	0.160	0.172	0.18	0.189	0.201	0.208	0.221	0.229	0.244	0.293
Existing Rated Capacity (MW)	0.310	0.460	0.460	0.79	0.790	0.790	0.790	0.790	0.790	0.790	0.790
Existing Dependable Capacity (MW)	0.280	0.400	0.400	0.45	0.515	0.515	0.515	0.515	0.515	0.515	0.515
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.310	0.460	0.460	0.79	0.790	0.790	0.790	0.790	0.790	0.790	0.790
Total Dependable Capacity (MW)	0.280	0.400	0.400	0.45	0.515	0.515	0.515	0.515	0.515	0.515	0.515
Gross Reserve Capacity (MW)	0.140	0.240	0.228	0.27	0.326	0.314	0.307	0.294	0.286	0.271	0.222
Dependable Capacity of largest unit (MW)	0.120	0.120	0.160	0.16	0.160	0.160	0.160	0.160	0.160	0.160	0.160
Net Reserve Capacity (MW)	0.020	0.120	0.068	0.11	0.166	0.154	0.147	0.134	0.126	0.111	0.062
Solar PV (MWp)					-	-	-	0.300	-	-	-
BEES (MWh)					-	-	-	0.180	-	-	-
Energy Sales (MWH)	445.808	632.261	713.939	784.98	692.340	834.759	898.841	962.924	1,027.006	1,091.088	1,155.170
Gross Generation (MWH)	460.073	662.153	747.378	854.07	739.481	930.919	995.001	1,059.084	1,123.166	1,187.248	1,251.330
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>TALICUD DPP</u>
Name of Plant Head:	FELIPE M. GONZALES
Address:	Brgy. Sta. Cruz, Kaputian District, Island Garden City of Samal,
Contact No.:	0908-1819-408
Email Address:	<u>fmgonzales@napocor.gov.ph</u>
Distribution Utility:	DANECO
Number of Barangays:	4
Number of Households (2020 CENSUS):	2,382
Number of Energized Households	1,189
Percentage of Energization	50%

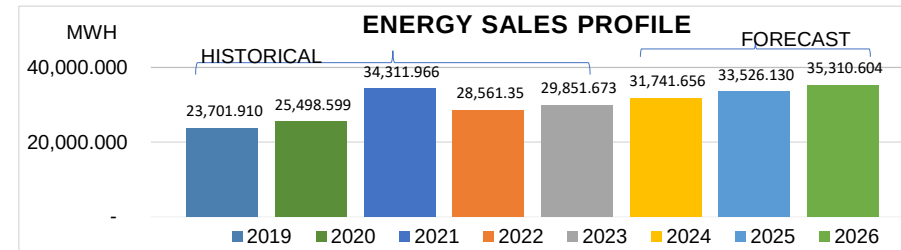
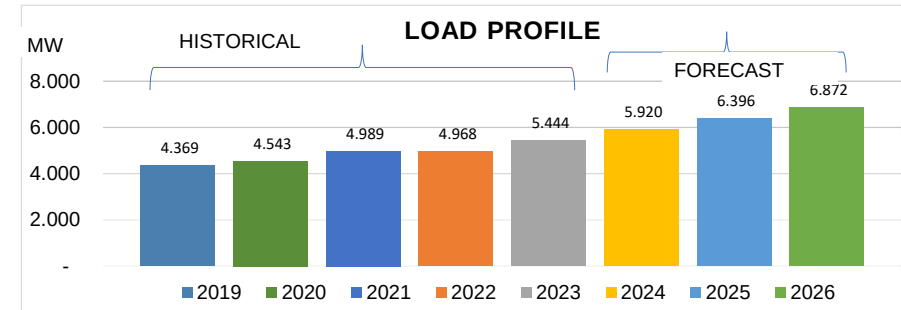
[illegible]



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	KALAMANSIG DPP
Name of Plant Head:	MARVIE L. CASTROVERDE
Address:	Brgy. Sta. Maria, Kalamansig, Sultan Kudarat
Contact No.:	0908-181-8531
Email Address:	mlcastroverde@napocor.gov.ph
Distribution Utility:	SUKELCO
Number of Barangays:	58
Number of Households (2020 CENSUS):	41,783
Number of Energized Households	33,101
Percentage of Energization	79%



PARTICULAR/YEAR	HISTORICAL				FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026
Peak Demand (MW)	4.369	4.543	4.989	4.968	5.444	5.920	6.396	6.872
Existing Rated Capacity (MW)	4.660	4.660	4.660	4.660	4.100	4.100	8.600	8.600
Existing Dependable Capacity (MW)	2.850	2.780	2.430	2.760	1.850	2.200	6.700	6.900
Capacity Addition (MW)					-	4.500	-	-
Dependable Capacity of Add. unit (MW)					-	4.500	-	-
Diesel Genset Rental (MW)	2.000	2.000	3.000	4.000	4.000	4.000	4.000	4.000
Total Installed Capacity (MW)	6.660	6.660	7.660	8.660	8.100	8.100	12.600	12.600
Total Dependable Capacity (MW)	4.850	4.780	5.430	6.760	5.850	6.200	10.700	10.900
Gross Reserve Capacity (MW)	0.481	0.237	0.441	1.792	0.406	0.280	4.304	4.028
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.600	0.600	0.600	1.500	1.500
Net Reserve Capacity (MW)	(0.119)	(0.363)	(0.159)	1.192	(0.194)	(0.320)	2.804	2.528
Solar PV (MWp)					-	-	-	-
BESS (MWh)					-	-	-	-
Energy Sales (MWH)	23,701.910	25,498.599	34,311.966	28,561.35	29,851.673	31,741.656	33,526.130	35,310.604
Gross Generation (MWH)	23,961.423	25,561.472	34,372.640	28,716.70	29,890.887	31,934.729	33,719.203	35,503.677
Operating Hours	24	24	24	24.0	24.0	24.0	24.0	24.0

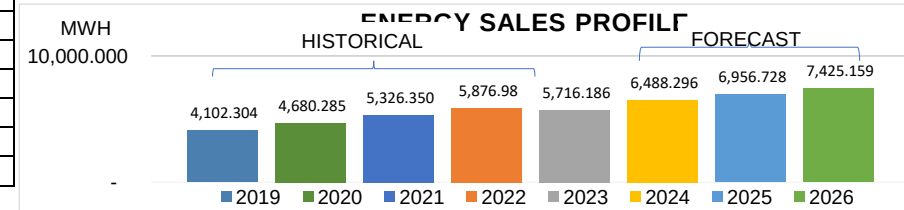
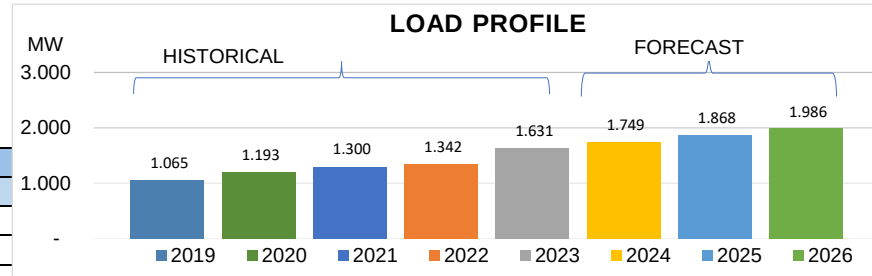
Note: No RE Program due to planned interconnection of the area to Mindanao Main Grid as per 2020-2040 NGCP Transmission Development Plan (TDP).
 On going implementation of interconnection to the main grid by NGCP. Expected to be completed by Year 2025 (Based



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SEN. NINOY AQUINO DPP
Name of Plant Head:	JOY L. ANGELO
Address:	Brgy. Malegdeg, Sen. Ninoy Aquino, Sultan Kudarat
Contact No.:	0908-181-9411
Email Address:	jlangelo@napocor.gov.ph
Distribution Utility:	SUKELCO
Number of Barangays:	24
Number of Households (2020 CENSUS):	16,859
Number of Energized Households	10,719
Percentage of Energization	64%



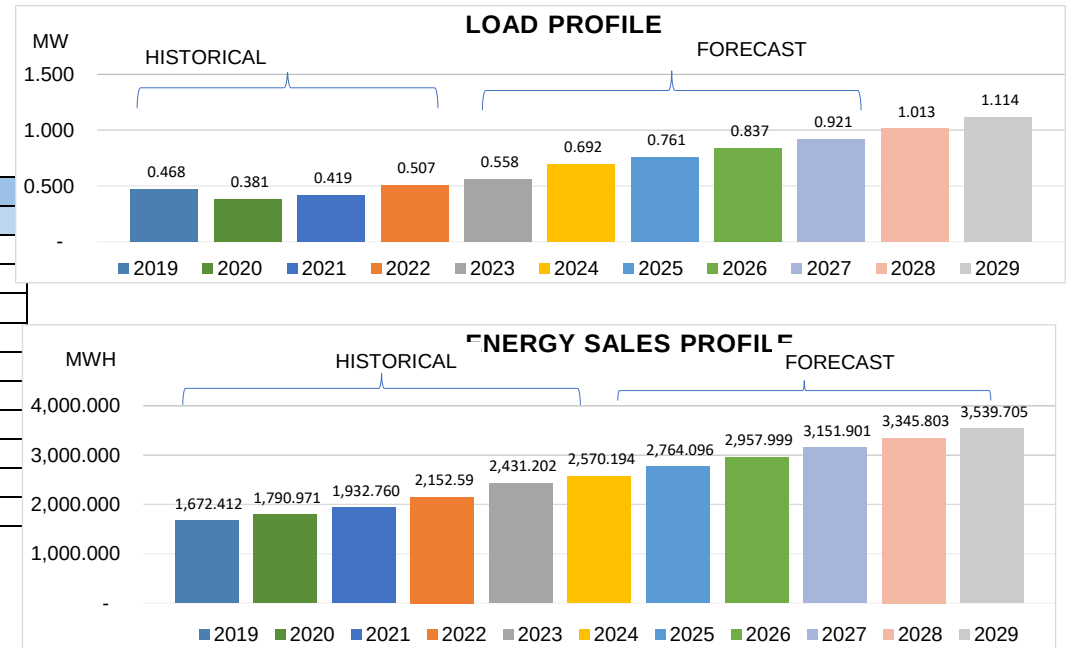
PARTICULAR/YEAR	HISTORICAL				FORECAST			
	2019	2020	2021	2022	2023	2024	2025	2026
Peak Demand (MW)	1.065	1.193	1.300	1.342	1.631	1.749	1.868	1.986
Existing Rated Capacity (MW)	2.068	1.946	1.946	2.446	2.446	2.446	2.446	2.446
Existing Dependable Capacity (MW)	1.700	1.700	1.700	2.080	2.080	2.080	2.080	2.080
Capacity Addition (MW)					-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-
Diesel Genset Rental (MW)					-	1.000	1.000	1.000
Total Installed Capacity (MW)	2.068	1.946	1.946	2.446	2.446	3.446	3.446	3.446
Total Dependable Capacity (MW)	1.700	1.700	1.700	2.080	2.080	3.080	3.080	3.080
Gross Reserve Capacity (MW)	0.635	0.507	0.400	0.738	0.449	1.331	1.212	1.094
Dependable Capacity of largest unit (MW)	0.600	0.600	0.373	0.500	0.500	0.500	0.500	0.500
Net Reserve Capacity (MW)	0.035	(0.093)	0.027	0.238	(0.051)	0.831	0.712	0.594
Solar PV (MWp)					-	-	-	-
BESS (MWh)					-	-	-	-
Energy Sales (MWH)	4,102.304	4,680.285	5,326.350	5,876.98	5,716.186	6,488.296	6,956.728	7,425.159
Gross Generation (MWH)	4,188.823	4,704.598	5,351.790	6,070.82	5,807.456	6,574.655	7,043.087	7,511.518
Operating Hours	24	24	24	24	24	24	24	24

Note: No RE Program due to planned interconnection of the area to Mindanao Main Grid as per 2020-2040 NGCP Transmission Development Plan (TDP)

On going implementation of interconnection to the main grid by NGCP. Expected to be completed by Year 2025 (Based

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>PALIMBANG DPP</u>
Name of Plant Head:	JOEY A. DUHIG
Address:	Brgy. Baranayan, Palimbang, Sultan Kudarat
Contact No.:	0947-962-4888
Email Address:	jaduhig@napocor.gov.ph
Distribution Utility:	SUKELCO
Number of Barangays:	6
Number of Households (2020 CENSUS):	3,774
Number of Energized Households	4,721
Percentage of Energization	125%

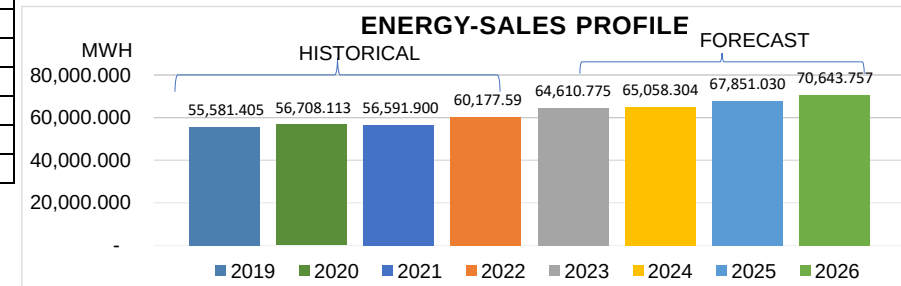
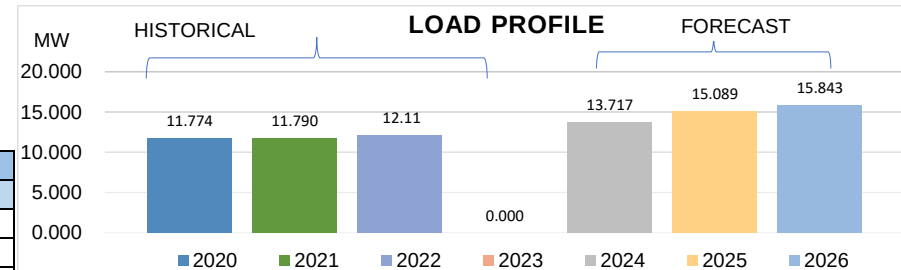
[illegible]



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BASILAN DPP
Name of Plant Head:	ROLANDO N. PEÑAFLO
Address:	Km. 3, Binuangan, Isabela, Basilan
Contact No.:	0947-781-7746
Email Address:	rnpenaflo@napocor.gov.ph
Distribution Utility:	BASELCO
Number of Barangays:	233
Number of Households (2020 CENSUS):	91,308
Number of Energized Households	45,288
Percentage of Energization	50%



PARTICULAR/YEAR	HISTORICAL					FORECAST		
	2019	2020	2021	2022	2023	2024	2025	2026
Peak Demand (MW)	11.240	11.774	11.790	12.11	12.470	13.717	15.089	15.843
Existing Rated Capacity (MW)	9.515	10.945	14.545	18.15	17.600	17.600	17.600	17.600
Existing Dependable Capacity (MW)	4.000	7.000	8.800	10.80	10.250	9.100	10.900	10.900
Capacity Addition (MW)								
Dependable Capacity of Add. unit (MW)								
Diesel Genset Rental (MW)	8.000	8.000	6.500	4.50	4.000	7.000	8.000	8.000
Basilan (Isabela)	8.000	8.000	6.500	4.50	4.000	5.000	5.000	5.000
Rose DPP (Lamitan)						2.000	3.000	3.000
Total Installed Capacity (MW)	17.515	18.945	21.045	22.65	21.600	24.600	25.600	25.600
Total Dependable Capacity (MW)	12.000	15.000	15.300	15.30	14.250	16.100	18.900	18.900
Gross Reserve Capacity (MW)	0.760	3.226	3.510	3.19	1.780	2.383	3.811	3.057
Dependable Capacity of largest unit (MW)	1.000	1.000	1.000	1.00	1.000	1.000	1.000	1.000
Net Reserve Capacity (MW)	(0.240)	2.226	2.510	2.19	0.780	1.383	2.811	2.057
Solar PV (MWp)								
BESS (MWh)								
Energy Sales (MWH)	55,581.405	56,708.113	56,591.900	60,177.59	64,610.775	65,058.304	67,851.030	70,643.757
Gross Generation (MWH)	57,407.848	58,016.994	58,405.946	61,746.63	66,575.747	68,449.542	71,242.269	74,034.995
Operating Hours	24	24	24	24.00	24.000	24.000	24.000	24.000

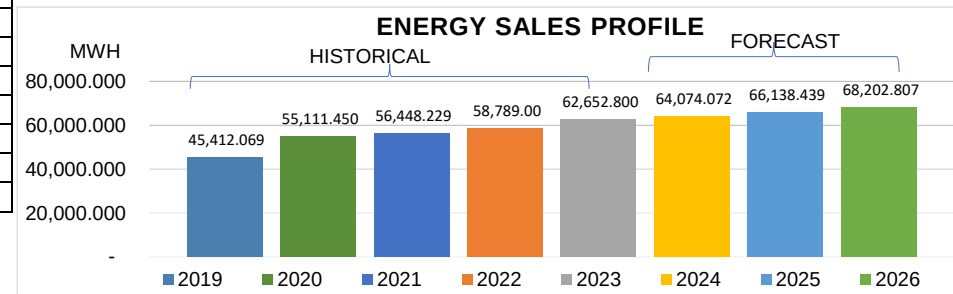
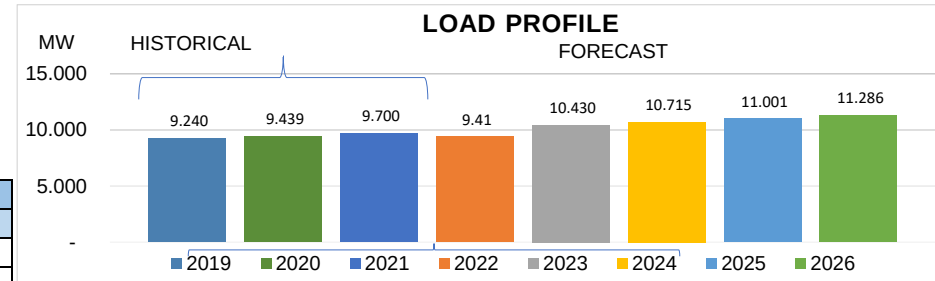
Note: No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	JOLO DPP
Name of Plant Head:	JOSEPH R. CABACCANG, SR.
Address:	Bus-bus, Jolo, Sulu
Contact No.:	0939-853-0674
Email Address:	jrcabaccang@napocor.gov.ph
Distribution Utility:	SULECO
Number of Barangays:	191
Number of Households (2020 CENSUS):	87,345
Number of Energized Households	28,498
Percentage of Energization	33%



PARTICULAR/YEAR	HISTORICAL					FORECAST		
	2019	2020	2021	2022	2023	2024	2025	2026
Peak Demand (MW)	9.240	9.439	9.700	9.41	10.430	10.715	11.001	11.286
Existing Rated Capacity (MW)	3.600	3.600	3.600	3.60	3.600	3.600	3.600	3.600
Existing Dependable Capacity (MW)	2.300	2.100	2.100	2.10	2.100	2.100	2.100	2.100
Capacity Addition (MW)								
Dependable Capacity of Add. unit (MW)								
Diesel Genset Rental (MW)	7.500	7.500	8.500	8.50	9.500	9.500	11.500	11.500
Total Installed Capacity (MW)	11.100	11.100	12.100	12.10	13.100	13.100	15.100	15.100
Total Dependable Capacity (MW)	9.800	9.600	10.600	10.60	11.600	11.600	13.600	13.600
Gross Reserve Capacity (MW)	0.560	0.161	0.900	1.19	1.170	0.885	2.599	2.314
Dependable Capacity of largest unit (MW)	1.300	1.100	1.100	1.10	1.100	1.000	1.000	1.000
Net Reserve Capacity (MW)	(0.740)	(0.939)	(0.200)	0.09	0.070	(0.115)	1.599	1.314
Solar PV (MWp)					-	-	-	-
BESS (MWh)					-	-	-	-
Energy Sales (MWH)	45,412.069	55,111.450	56,448.229	58,789.00	62,652.800	64,074.072	66,138.439	68,202.807
Gross Generation (MWH)	54,830.745	55,458.200	56,737.100	58,789.00	63,870.840	69,455.903	71,520.271	73,584.639
Operating Hours	24	24	24	24.00	24.000	24.000	24.000	24.000

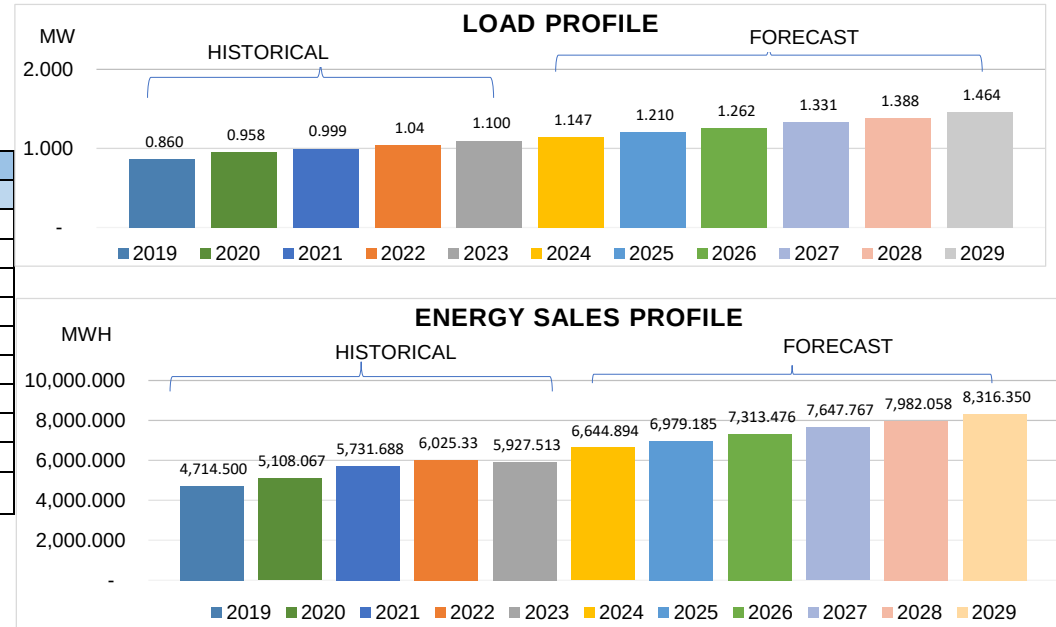
Note: No Renewable Energy (RE) plans due to planned CSP of DU that includes RE



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SIASI DPP
Name of Plant Head:	FERDINAND T. DINGLE
Address:	Brgy. West Kuntad, Siasi, Sulu
Contact No.:	0908-181-9428
Email Address:	ftdingle@napocor.gov.ph
Distribution Utility:	SIASELCO
Number of Barangays:	50
Number of Households (2020 CENSUS):	14,464
Number of Energized Households	5,330
Percentage of Energization	37%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.860	0.958	0.999	1.04	1.100	1.147	1.210	1.262	1.331	1.388	1.464
Existing Rated Capacity (MW)	3.100	3.100	2.840	2.84	2.840	2.840	2.840	2.840	2.840	2.840	2.840
Existing Dependable Capacity (MW)	1.550	1.850	1.900	1.40	1.850	1.850	1.850	1.850	1.850	1.850	1.850
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	1.000	1.000	1.000	1.000	1.000
Total Installed Capacity (MW)	3.100	3.100	2.840	2.84	2.840	2.840	3.840	3.840	3.840	3.840	3.840
Total Dependable Capacity (MW)	1.550	1.850	1.900	1.40	1.850	1.850	2.850	2.850	2.850	2.850	2.850
Gross Reserve Capacity (MW)	0.690	0.892	0.901	0.36	0.750	0.703	1.640	1.588	1.519	1.462	1.386
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.50	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Net Reserve Capacity (MW)	0.090	0.292	0.301	(0.14)	0.250	0.203	1.140	1.088	1.019	0.962	0.886
Solar PV (MWp)					-	-	-	-	2.300	-	-
BESS (MWh)					-	-	-	-	1.120	-	-
Energy Sales (MWH)	4,714.500	5,108.067	5,731.688	6,025.33	5,927.513	6,644.894	6,979.185	7,313.476	7,647.767	7,982.058	8,316.350
Gross Generation (MWH)	4,952.909	5,155.107	5,779.908	6,077.69	6,263.756	6,957.567	7,291.858	7,699.733	8,034.024	8,368.315	8,702.607
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24

Note: Unit 6 (0.6MW) - deactivated awaiting for spare parts for restoration 4th quarter 2023;

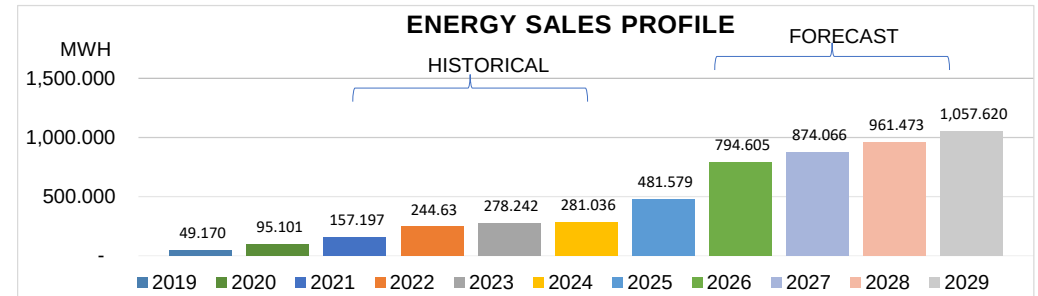
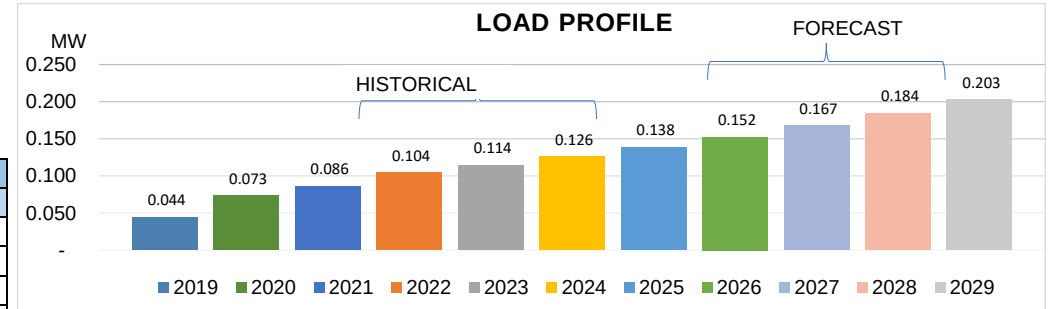
Unit 7 (0.6MW)- non operational, ongoing rewinding of stator, target date of restoration 1st or 2nd quarter of CY 2023



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PANDAMI DPP
Name of Plant Head:	PABLITO M. QUIÑONES, JR.
Address:	Brgy. Hambilan, Pandami, Sulu
Contact No.:	0908-915-6242
Email Address:	plqnns@yahoo.com
Distribution Utility:	SIASELCO
Number of Barangays:	16
Number of Households (2020 CENSUS):	6,148
Number of Energized Households	480
Percentage of Energization	5%

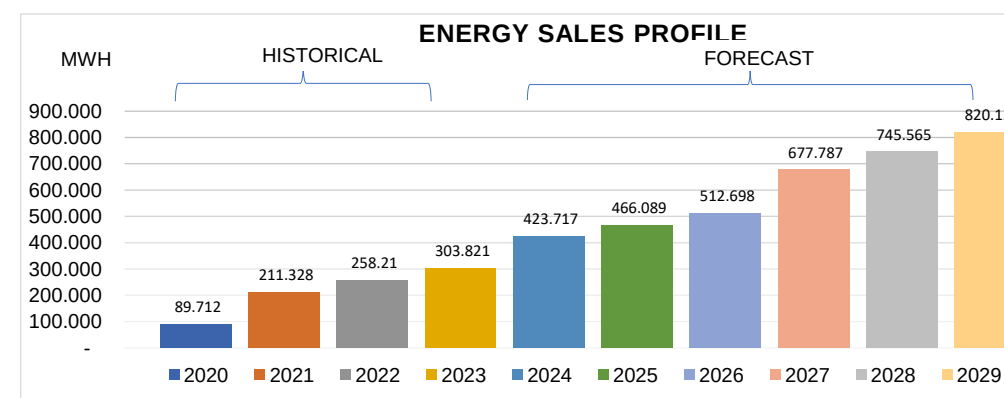
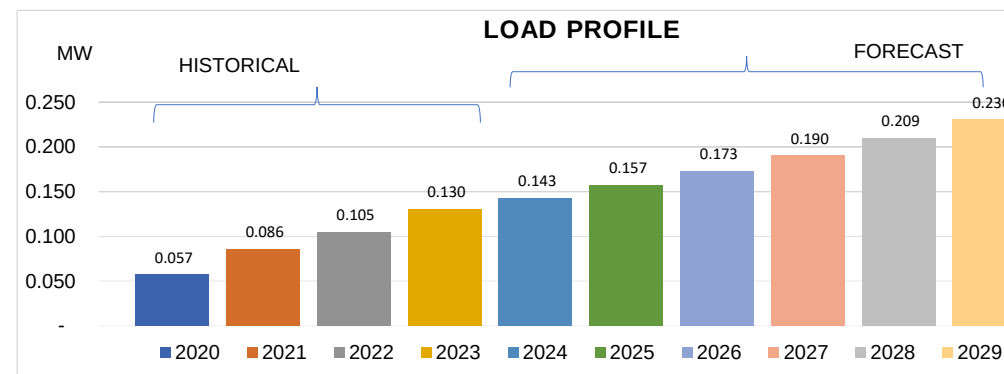


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.044	0.073	0.086	0.104	0.114	0.126	0.138	0.152	0.167	0.184	0.203
Existing Rated Capacity (MW)	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.500	0.500
Existing Dependable Capacity (MW)	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.440	0.440
Capacity Addition (MW)					-	-	-	-	-	-	0.200
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	0.140
Diesel Genset Rental (MW)					-	0.300	0.300	0.300	-	-	-
Total Installed Capacity (MW)	0.300	0.300	0.300	0.300	0.300	0.600	0.500	0.500	0.500	0.500	0.700
Total Dependable Capacity (MW)	0.240	0.240	0.240	0.240	0.240	0.540	0.440	0.440	0.440	0.440	0.580
Gross Reserve Capacity (MW)	0.196	0.167	0.154	0.136	0.126	0.414	0.302	0.288	0.273	0.256	0.377
Dependable Capacity of largest unit (MW)	0.120	0.120	0.120	0.120	0.120	0.150	0.150	0.150	0.150	0.150	0.120
Net Reserve Capacity (MW)	0.076	0.047	0.034	0.016	0.006	0.264	0.152	0.138	0.123	0.106	0.257
Solar PV (MWp)					-	-	-	-	-	0.420	-
BESS (MWh)					-	-	-	-	-	0.280	-
Energy Sales (MWH)	49.170	95.101	157.197	244.63	278.242	281.036	481.579	794.605	874.066	961.473	1,057.620
Gross Generation (MWH)	63.926	104.551	163.986	255.34	294.045	308.965	529.436	873.570	960.927	1,057.020	1,162.722
Operating Hours	8	8	12	12	12	12	16	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PILAS DPP
Name of Plant Head:	LOVEY JOY P. GARCIA
Address:	Brgy. Tausan, Pilas Island, Hji. Muhtamad, Basilan
Contact No.:	0915-638-4139
Email Address:	lipperez@napocor.gov.ph
Distribution Utility:	BASELCO
Number of Barangays:	10
Number of Households (2020 CENSUS):	4,261
Number of Energized Households	885
Percentage of Energization	21%



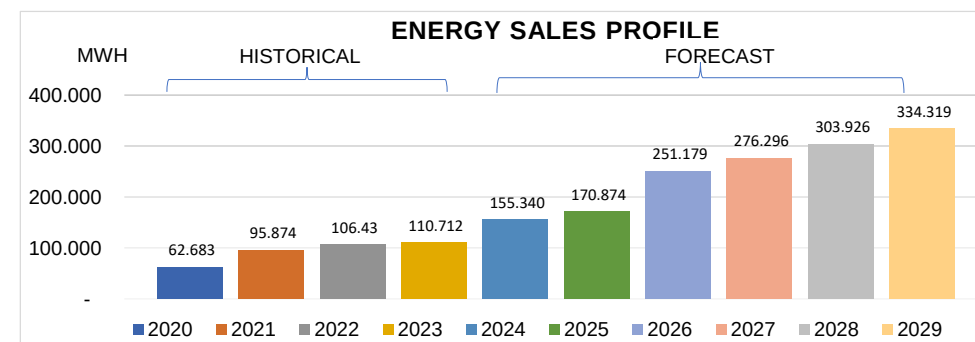
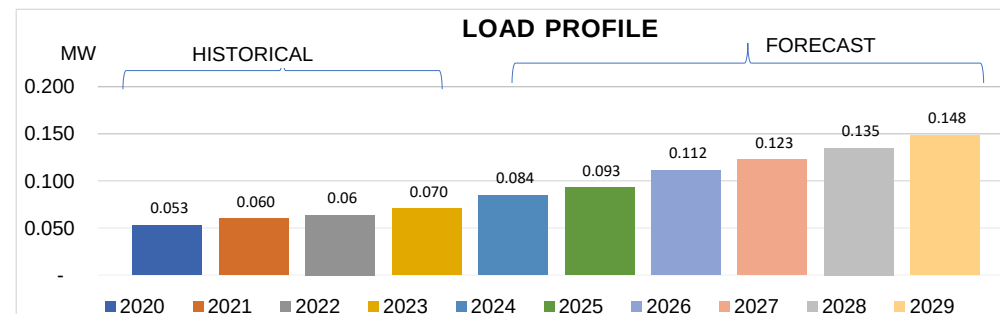
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)		0.057	0.086	0.105	0.130	0.143	0.157	0.173	0.190	0.209	0.230
Existing Rated Capacity (MW)		0.200	0.200	0.20	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Existing Dependable Capacity (MW)		0.160	0.180	0.18	0.180	0.180	0.180	0.180	0.180	0.480	0.780
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	0.300	0.300	0.300	0.300	0.300	0.300
Total Installed Capacity (MW)		0.200	0.200	0.20	0.200	0.500	0.500	0.500	0.500	0.500	0.200
Total Dependable Capacity (MW)		0.160	0.180	0.18	0.180	0.480	0.480	0.480	0.480	0.780	0.780
Gross Reserve Capacity (MW)		0.103	0.094	0.08	0.050	0.337	0.323	0.307	0.290	0.571	0.550
Dependable Capacity of largest unit (MW)		0.080	0.080	0.09	0.090	0.090	0.105	0.105	0.105	0.105	0.150
Net Reserve Capacity (MW)		0.023	0.014	(0.01)	(0.040)	0.247	0.218	0.202	0.185	0.466	0.400
Solar PV (MWp)					-	-	-		-	0.170	-
BESS (MWh)					-	-	-		-	0.110	-
Energy Sales (MWH)		89,712	211,328	258,21	303,821	423,717	466,089	512,698	677,787	745,565	820,122
Gross Generation (MWH)		92,736	214,763	262,83	308,169	438,000	481,800	529,980	700,634	770,697	847,767
Operating Hours		8	12	12	12	16	16	16	24	24	24

Note: Incoming 1 x 0.135MW from Palimbang DPP



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GIBUSONG DPP
Name of Plant Head:	NICOLAS M. ARCENA
Address:	Brgy. Liberty, Loreto, Dinagat Islands
Contact No.:	0908-181-9406
Email Address:	nicolasmagdula65@gmail.com
Distribution Utility:	DIELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	373
Number of Energized Households	430
Percentage of Energization	115%



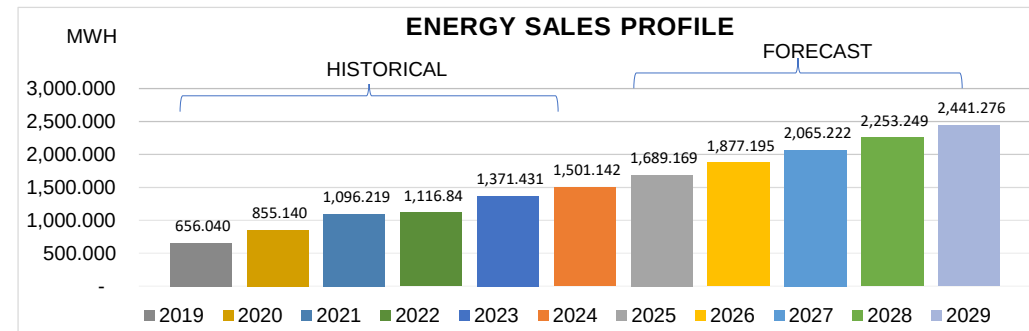
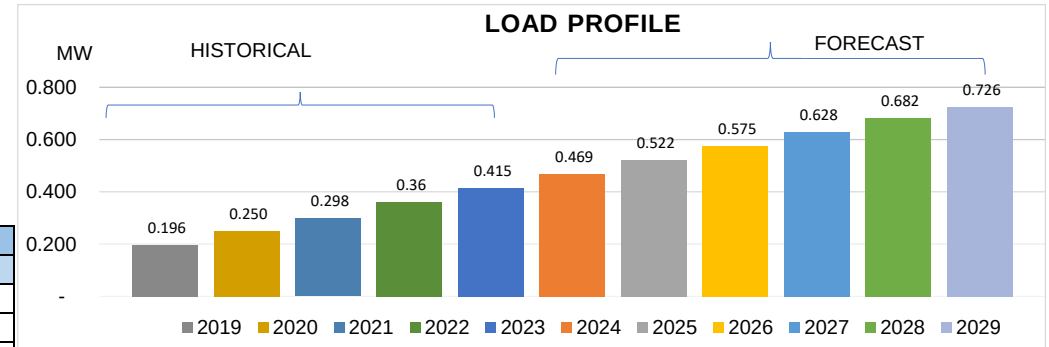
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)		0.053	0.060	0.06	0.070	0.084	0.093	0.112	0.123	0.135	0.148
Existing Rated Capacity (MW)		0.100	0.100	0.10	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)		0.080	0.080	0.08	0.080	0.080	0.080	0.080	0.080	0.280	0.280
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	0.200	0.200	0.200	0.200	0.200	0.200
Total Installed Capacity (MW)		0.100	0.100	0.10	0.100	0.300	0.300	0.300	0.300	0.100	0.100
Total Dependable Capacity (MW)		0.080	0.080	0.08	0.080	0.280	0.280	0.280	0.280	0.280	0.280
Gross Reserve Capacity (MW)		0.027	0.020	0.02	0.010	0.196	0.187	0.168	0.157	0.145	0.132
Dependable Capacity of largest unit (MW)		0.040	0.040	0.04	0.040	0.040	0.040	0.040	0.040	0.070	0.070
Net Reserve Capacity (MW)		(0.013)	(0.020)	(0.02)	(0.030)	0.156	0.147	0.128	0.117	0.075	0.062
Solar PV (MWp)					-	-	-	-	-	0.100	-
BESS (MWh)					-	-	-	-	-	0.100	-
Energy Sales (MWh)		62.683	95.874	106.43	110.712	155.340	170.874	251.179	276.296	303.926	334.319
Gross Generation (MWh)		63.542	96.767	108.03	116.355	157.469	173.216	254.621	280.083	308.091	338.900
Operating Hours		8	8	8.00	8	16	16	24	24	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>PANGUTARAN DPP</u>
Name of Plant Head:	KENNEDY A. OYONG
Address:	Brgy. Panitikan, Pagutaran, Sulu
Contact No.:	0975-801-4645
Email Address:	<u>oyongkenn@yahoo.com</u>
Distribution Utility:	SULECO
Number of Barangays:	16
Number of Households (2020 CENSUS):	6,592
Number of Energized Households	2,490
Percentage of Energization	38%



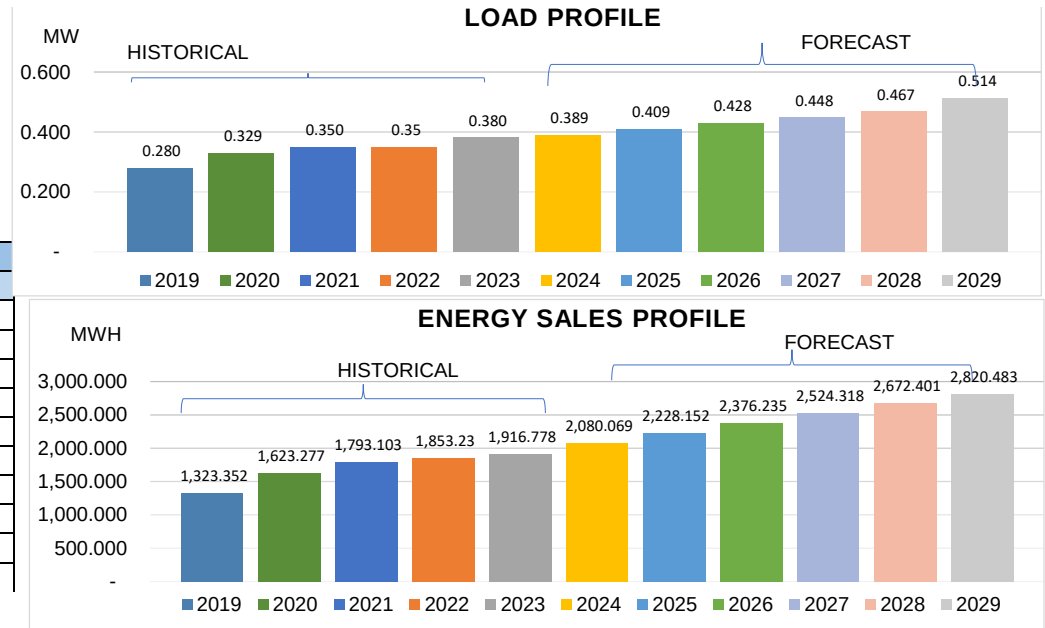
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.196	0.250	0.298	0.36	0.415	0.469	0.522	0.575	0.628	0.682	0.726
Existing Rated Capacity (MW)	0.460	0.760	0.760	1.31	1.306	1.306	1.306	1.306	1.306	1.306	1.306
Existing Dependable Capacity (MW)	0.370	0.540	0.595	0.45	0.875	0.710	0.710	0.710	0.710	0.710	0.710
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)	-				-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	0.300	0.600	0.600	0.600	0.600	0.600
Total Installed Capacity (MW)	0.460	0.760	0.760	1.31	1.306	1.606	1.906	1.906	1.906	1.906	1.906
Total Dependable Capacity (MW)	0.370	0.540	0.595	0.45	0.875	1.010	1.310	1.310	1.310	1.310	1.310
Gross Reserve Capacity (MW)	0.174	0.290	0.297	0.09	0.460	0.541	0.788	0.735	0.682	0.628	0.584
Dependable Capacity of largest unit (MW)	0.210	0.210	0.210	0.23	0.225	0.190	0.190	0.190	0.190	0.190	0.190
Net Reserve Capacity (MW)	(0.036)	0.080	0.087	(0.14)	0.235	0.351	0.598	0.545	0.492	0.438	0.394
Solar PV (MWp)					-	-	-	-	-	0.500	-
BESS (MWh)					-	-	-	-	-	0.400	-
Energy Sales (MWH)	656.040	855.140	1,096.219	1,116.84	1,371.431	1,501.142	1,689.169	1,877.195	2,065.222	2,253.249	2,441.276
Gross Generation (MWH)	672.200	872.849	1,120.489	1,133.75	1,391.973	1,518.058	1,706.084	1,934.407	2,122.434	2,310.461	2,498.488
Operating Hours	16	16	16	16.00	16						



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALIMBING DPP
Name of Plant Head:	JIMMY T. HAGONoy
Address:	Brgy. Malacca, Panglima Sugala, Tawi-Tawi
Contact No.:	0908-181-9535
Email Address:	ithagonoy03@yahoo.com
Distribution Utility:	TAWELCO
Number of Barangays:	17
Number of Households (2020 CENSUS):	7,546
Number of Energized Households	943
Percentage of Energization	12%



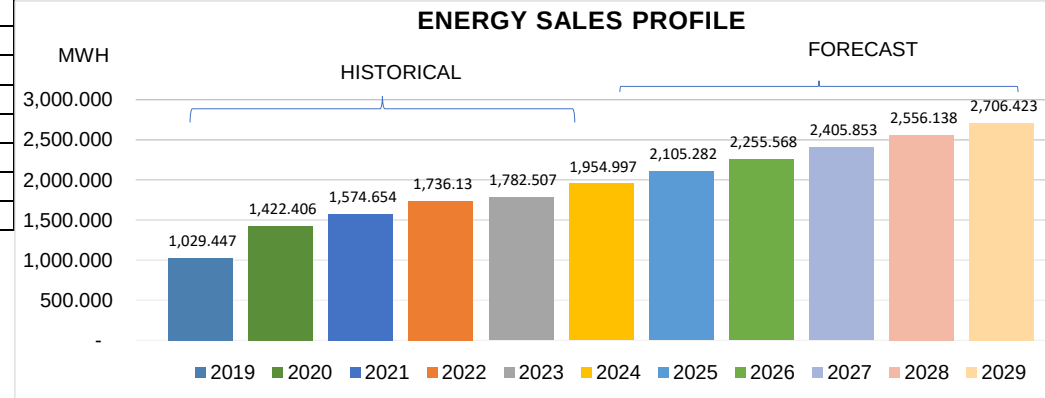
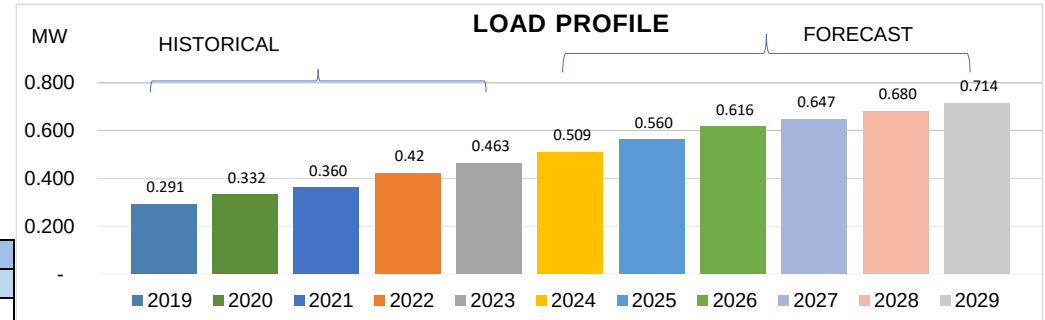
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.280	0.329	0.350	0.35	0.380	0.389	0.409	0.428	0.448	0.467	0.514
Existing Rated Capacity (MW)	1.062	1.026	1.026	1.28	1.276	1.276	1.276	1.276	1.276	1.276	1.276
Existing Dependable Capacity (MW)	0.830	0.710	0.710	0.75	0.960	0.950	0.950	0.950	0.950	0.950	0.950
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	1.062	1.026	1.026	1.28	1.276	1.276	1.276	1.276	1.276	1.276	1.276
Total Dependable Capacity (MW)	0.830	0.710	0.710	0.75	0.960	0.950	0.950	0.950	0.950	0.950	0.950
Gross Reserve Capacity (MW)	0.550	0.381	0.360	0.40	0.580	0.561	0.541	0.522	0.502	0.483	0.436
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.26	0.260	0.250	0.250	0.250	0.250	0.250	0.250
Net Reserve Capacity (MW)	0.250	0.081	0.060	0.14	0.320	0.311	0.291	0.272	0.252	0.233	0.186
Solar PV (MWp)					-	-	-	0.900	-	-	-
BESS (MWh)					-	-	-	0.400	-	-	-
Energy Sales (MWH)	1,323,352	1,623,277	1,793,103	1,853,23	1,916,778	2,080,069	2,228,152	2,376,235	2,524,318	2,672,401	2,820,483
Gross Generation (MWH)	1,373,965	1,645,844	1,823,004	1,877,46	1,990,985	2,111,275	2,259,358	2,407,441	2,555,524	2,703,607	2,851,690
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TANDUBAS DPP
Name of Plant Head:	FARSAUDI I. JADJULIE
Address:	Brgy. Tongbangkaw, Tandubas, Tawi-Tawi
Contact No.:	0928-198-0595
Email Address:	f_jadijulie@yahoo.com
Distribution Utility:	TAWELCO
Number of Barangays:	20
Number of Households (2020 CENSUS):	5,649
Number of Energized Households	1,198
Percentage of Energization	21%



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.291	0.332	0.360	0.42	0.463	0.509	0.560	0.616	0.647	0.680	0.714
Existing Rated Capacity (MW)	0.643	0.610	1.155	1.85	1.852	1.702	1.702	1.702	1.702	1.702	1.702
Existing Dependable Capacity (MW)	0.500	0.500	0.640	1.01	1.090	0.970	0.970	0.970	0.970	0.970	0.970
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.643	0.610	1.155	1.85	1.852	1.702	1.702	1.702	1.702	1.702	1.702
Total Dependable Capacity (MW)	0.500	0.500	0.640	1.01	1.090	0.970	0.970	0.970	0.970	0.970	0.970
Gross Reserve Capacity (MW)	0.209	0.168	0.280	0.59	0.627	0.461	0.410	0.354	0.323	0.290	0.256
Dependable Capacity of largest unit (MW)	0.210	0.210	0.210	0.25	0.250	0.240	0.240	0.240	0.240	0.240	0.240
Net Reserve Capacity (MW)	(0.001)	(0.042)	0.070	0.34	0.377	0.221	0.170	0.114	0.083	0.050	0.016
Solar PV (MWp)					-	-	-	0.400	-	-	-
BESS (MWh)					-	-	-	0.120	-	-	-
Energy Sales (MWH)	1,029.447	1,422.406	1,574.654	1,736.13	1,782.507	1,954.997	2,105.282	2,255.568	2,405.853	2,556.138	2,706.423
Gross Generation (MWH)	1,058.146	1,450.994	1,641.854	1,835.35	1,818.434	2,053.590	2,203.875	2,354.161	2,504.446	2,654.731	2,805.016
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24

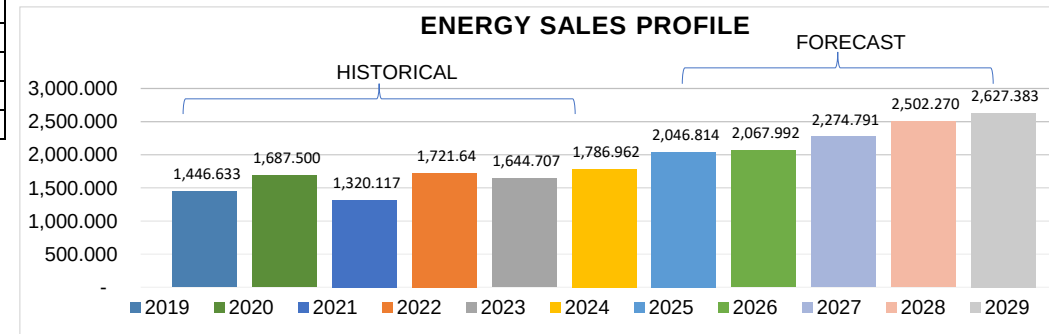
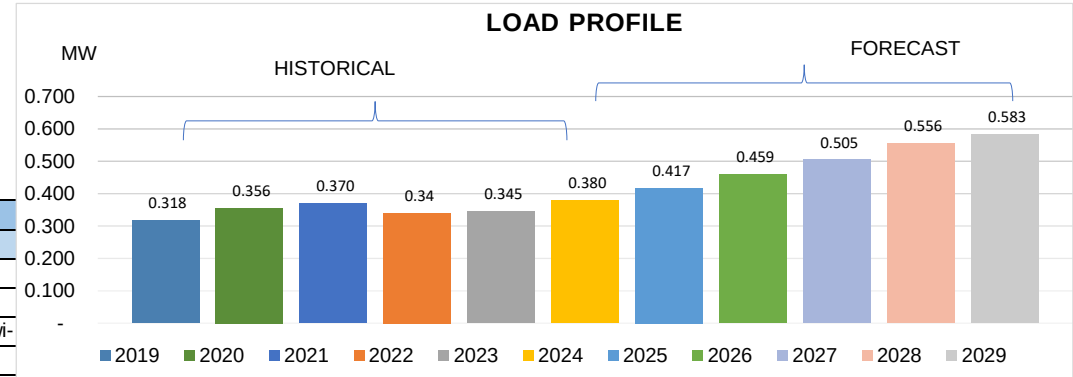


NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>SIBUTU DPP</u>
Name of Plant Head:	SALI A. DIMAN
Address:	Boheh Sallang Rd., Brgy. Datu Amilhamja Jaafar, Sibutu, Tawi-
Contact No.:	0908-181-9429
Email Address:	<u>zultanz_dman@yahoo.com</u>
Distribution Utility:	TAWELCO
Number of Barangays:	8
Number of Households (2020 CENSUS):	2,390
Number of Energized Households	939
Percentage of Energization	39%

MWH

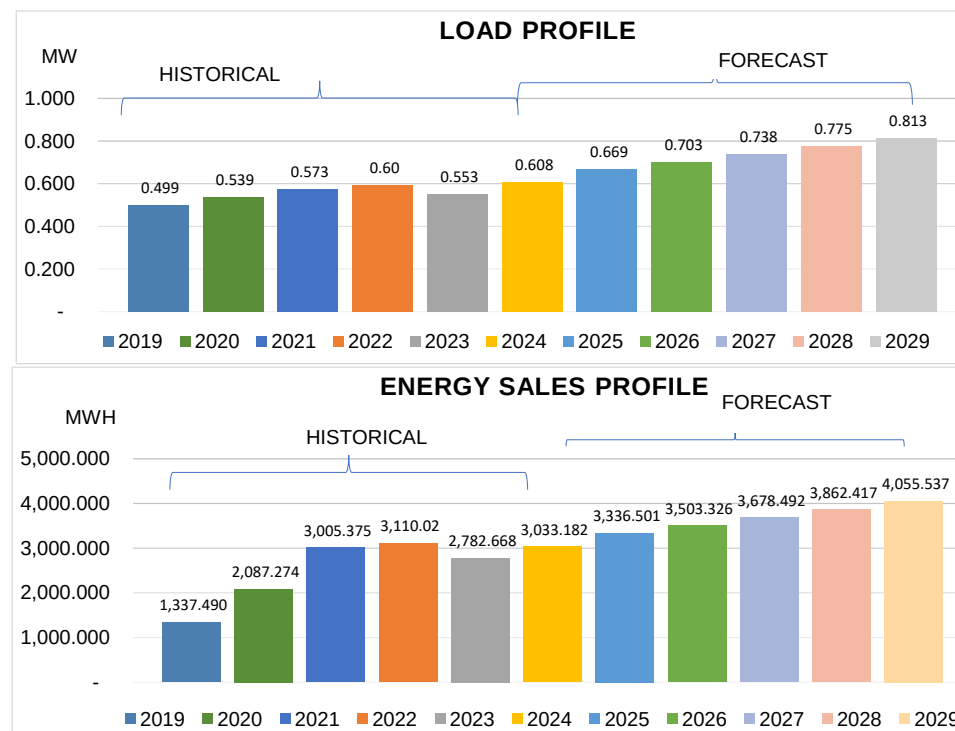


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.318	0.356	0.370	0.34	0.345	0.380	0.417	0.459	0.505	0.556	0.583
Existing Rated Capacity (MW)	0.786	0.786	0.786	1.18	1.176	1.176	1.176	1.176	1.176	1.176	1.176
Existing Dependable Capacity (MW)	0.590	0.590	0.590	0.76	0.755	0.765	0.765	0.765	0.765	0.765	0.765
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.786	0.786	0.786	1.18	1.176	1.176	1.176	1.176	1.176	1.176	1.176
Total Dependable Capacity (MW)	0.590	0.590	0.590	0.76	0.755	0.765	0.765	0.765	0.765	0.765	0.765
Gross Reserve Capacity (MW)	0.272	0.234	0.220	0.42	0.410	0.386	0.348	0.306	0.260	0.209	0.182
Dependable Capacity of largest unit (MW)	0.170	0.170	0.200	0.20	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)	0.102	0.064	0.020	0.22	0.210	0.186	0.148	0.106	0.060	0.009	(0.018)
Solar PV (MWp)					-	-	-	0.400	-	-	-
BESS (MWh)					-	-	-	0.120	-	-	-
Energy Sales (MWH)	1,446.633	1,687.500	1,320.117	1,721.64	1,644.707	1,786.962	2,046.814	2,067.992	2,274.791	2,502.270	2,627.383
Gross Generation (MWH)	1,487.321	1,706.867	1,344.004	1,753.66	1,710.996	1,893.784	2,070.305	2,091.725	2,300.898	2,530.987	2,657.537
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SITANGKAI DPP
Name of Plant Head:	ABDULHAKAM S. TAJI
Address:	Brgy. Datu Putih ,Sitangkai, Tawi-Tawi
Contact No.:	0946-824-1230
Email Address:	astaji@napocor.gov.ph
Distribution Utility:	TAWELCO
Number of Barangays:	9
Number of Households (2020 CENSUS):	6,842
Number of Energized Households	853
Percentage of Energization	12%



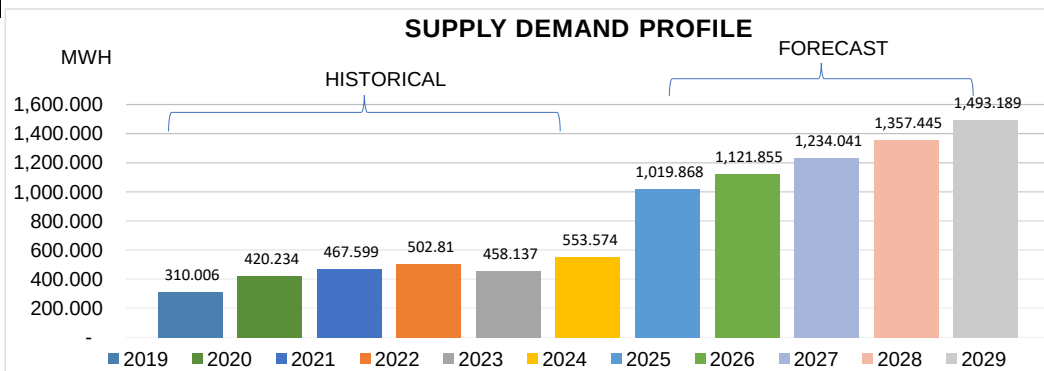
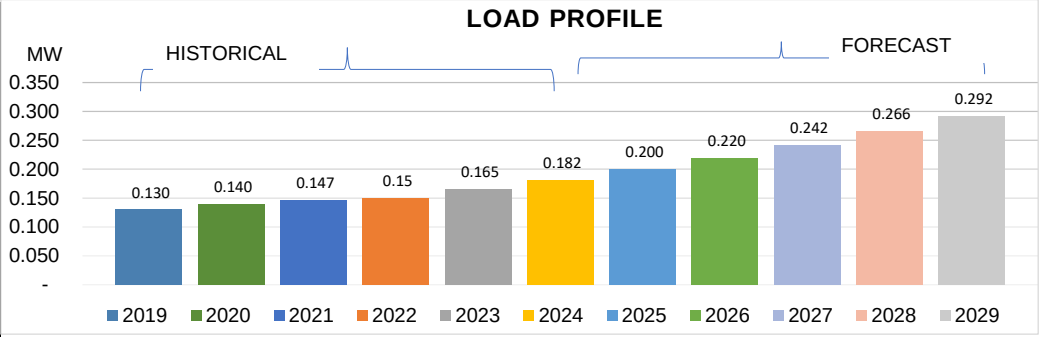
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.499	0.539	0.573	0.60	0.553	0.608	0.669	0.703	0.738	0.775	0.813
Existing Rated Capacity (MW)	2.109	2.654	2.654	2.96	2.960	2.960	2.960	2.960	2.960	2.960	2.960
Existing Dependable Capacity (MW)	1.060	1.290	1.290	1.30	1.260	1.260	1.260	1.260	1.260	1.260	1.260
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	1.000	1.000	1.000	1.000	1.000
Total Installed Capacity (MW)	2.109	2.654	2.654	2.96	2.960	2.960	3.960	3.960	3.960	3.960	3.960
Total Dependable Capacity (MW)	1.060	1.290	1.290	1.30	1.260	1.260	2.260	2.260	2.260	2.260	2.260
Gross Reserve Capacity (MW)	0.561	0.751	0.717	0.71	0.707	0.652	0.591	1.557	1.522	1.485	1.447
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.28	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Net Reserve Capacity (MW)	0.261	0.451	0.417	0.43	0.427	0.372	0.311	1.277	1.242	1.205	1.167
Solar PV (MWp)					-	-	-	-	-	-	-
BESS (MWh)					-	-	-	-	-	-	-
Energy Sales (MWH)	1,337.490	2,087.274	3,005.375	3,110.02	2,782.668	3,033.182	3,336.501	3,503.326	3,678.492	3,862.417	4,055.537
Gross Generation (MWH)	1,372.832	2,126.878	3,098.583	3,203.22	2,851.948	3,137.142	3,450.857	3,623.399	3,804.569	3,994.798	4,194.538
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24

Note: No RE Program due to planned take-over of JV between TAWELCO and AIEC Ilaw Corporation but it was already abandoned



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MANUK MANGKAW DPP
Name of Plant Head:	DODONG N. EMUL
Address:	Manuk Mankaw, Simunul, Tawi-Tawi
Contact No.:	0928-861-0185
Email Address:	dbemul@napocor.gov.ph
Distribution Utility:	TAWELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	2,051
Number of Energized Households	377
Percentage of Energization	18%

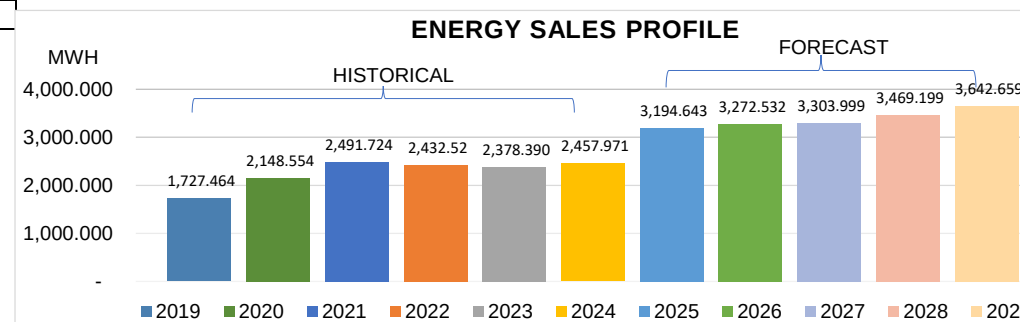
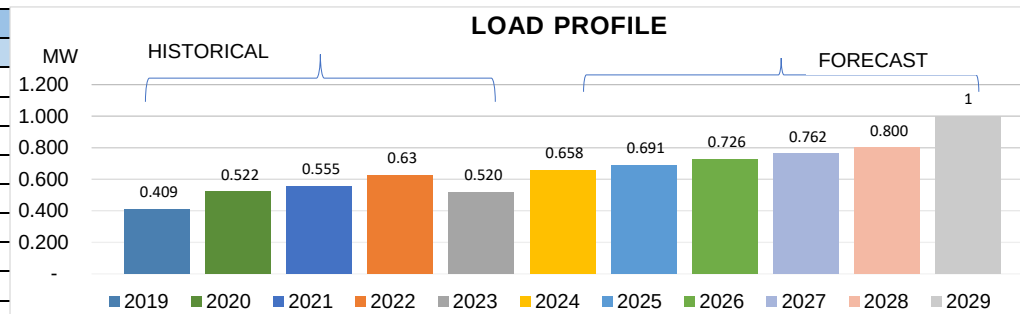


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.130	0.140	0.147	0.15	0.165	0.182	0.200	0.220	0.242	0.266	0.292
Existing Rated Capacity (MW)	0.343	0.343	0.343	0.84	0.841	0.841	0.841	0.841	0.841	0.841	0.841
Existing Dependable Capacity (MW)	0.310	0.290	0.290	0.59	0.590	0.590	0.590	0.590	0.590	0.590	0.590
Capacity Addition (MW)					-	-	-	-	-	-	0.200
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	0.140
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	0.343	0.343	0.343	0.84	0.841	0.841	0.841	0.841	0.841	0.841	0.841
Total Dependable Capacity (MW)	0.310	0.290	0.290	0.59	0.590	0.590	0.590	0.590	0.590	0.590	0.590
Gross Reserve Capacity (MW)	0.180	0.150	0.143	0.44	0.425	0.409	0.390	0.370	0.348	0.324	0.298
Dependable Capacity of largest unit (MW)	0.150	0.150	0.150	0.15	0.150	0.150	0.150	0.150	0.150	0.150	0.150
Net Reserve Capacity (MW)	0.030	-	(0.007)	0.29	0.275	0.259	0.240	0.220	0.198	0.174	0.148
Solar PV (MWp)					-	-	-	0.180	-	-	-
BESS (MWh)					-	-	-	0.130	-	-	-
Energy Sales (MWH)	310.006	420.234	467.599	502.81	458.137	553.574	1,019.868	1,121.855	1,234.041	1,357.445	1,493.189
Gross Generation (MWH)	320.181	435.664	473.115	555.20	514.783	566.261	1,043.243	1,147.568	1,262.324	1,388.557	1,527.413
Operating Hours	16	24	16	16.00	16	16	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	WEST SIMUNUL DPP
Name of Plant Head:	JEFFREY N. LAHAMAN
Address:	Brgy. Ubol, Simunul, Tawi-Tawi
Contact No.:	0908-181-9426
Email Address:	jnlahaman@yahoo.com
Distribution Utility:	TAWELCO
Number of Barangays:	12
Number of Households (2020 CENSUS):	4,049
Number of Energized Households	761
Percentage of Energization	19%

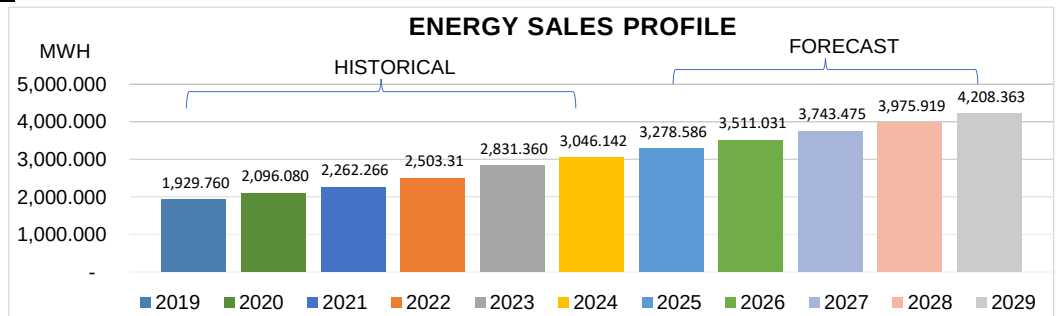
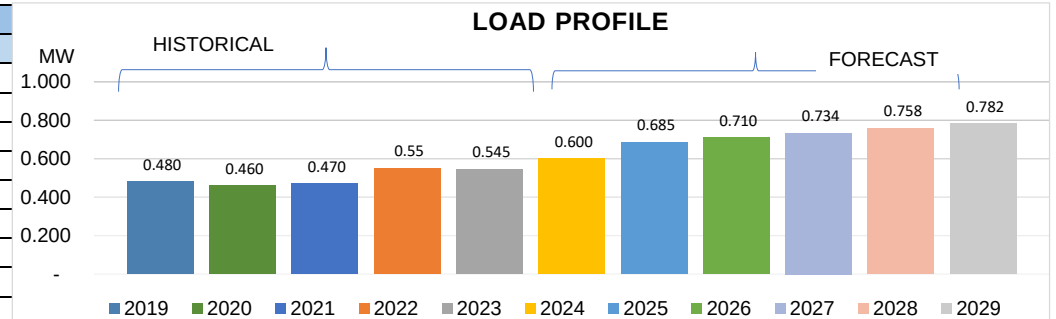


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.409	0.522	0.555	0.63	0.520	0.658	0.691	0.726	0.762	0.800	0.840
Existing Rated Capacity (MW)	1.273	1.273	1.273	2.17	2.173	2.173	2.173	2.173	2.173	2.173	2.173
Existing Dependable Capacity (MW)	1.000	1.000	1.000	1.87	1.870	1.835	1.835	1.835	1.835	1.835	1.835
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)	1.273	1.273	1.273	2.17	2.173	2.173	2.173	2.173	2.173	2.173	2.173
Total Dependable Capacity (MW)	1.000	1.000	1.000	1.87	1.870	1.835	1.835	1.835	1.835	1.835	1.835
Gross Reserve Capacity (MW)	0.591	0.478	0.445	1.24	1.350	1.177	1.144	1.109	1.073	1.035	0.995
Dependable Capacity of largest unit (MW)	0.300	0.300	0.300	0.60	0.600	0.560	0.560	0.560	0.560	0.560	0.560
Net Reserve Capacity (MW)	0.291	0.178	0.145	0.64	0.750	0.617	0.584	0.549	0.513	0.475	0.435
Solar PV (MWp)					-	-	-	0.900	-	-	-
BESS (MWh)					-	-	-	0.560	-	-	-
Energy Sales (MWH)	1,727.464	2,148.554	2,491.724	2,432.52	2,378.390	2,457.971	3,194.643	3,272.532	3,303.999	3,469.199	3,642.659
Gross Generation (MWH)	1,773.500	2,170.727	2,511.761	2,453.30	2,427.943	2,501.611	3,227.612	3,306.305	3,338.096	3,505.001	3,680.251
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MAPUN DPP
Name of Plant Head:	AHMED HUSSEIN LIM
Address:	Brgy. Mahalu, Mapun, Tawi-Tawi
Contact No.:	9199535564
Email Address:	ahmlim@napocor.gov.ph
Distribution Utility:	CASELCO
Number of Barangays:	15
Number of Households (2020 CENSUS):	4,928
Number of Energized Households	3,511
Percentage of Energization	71%

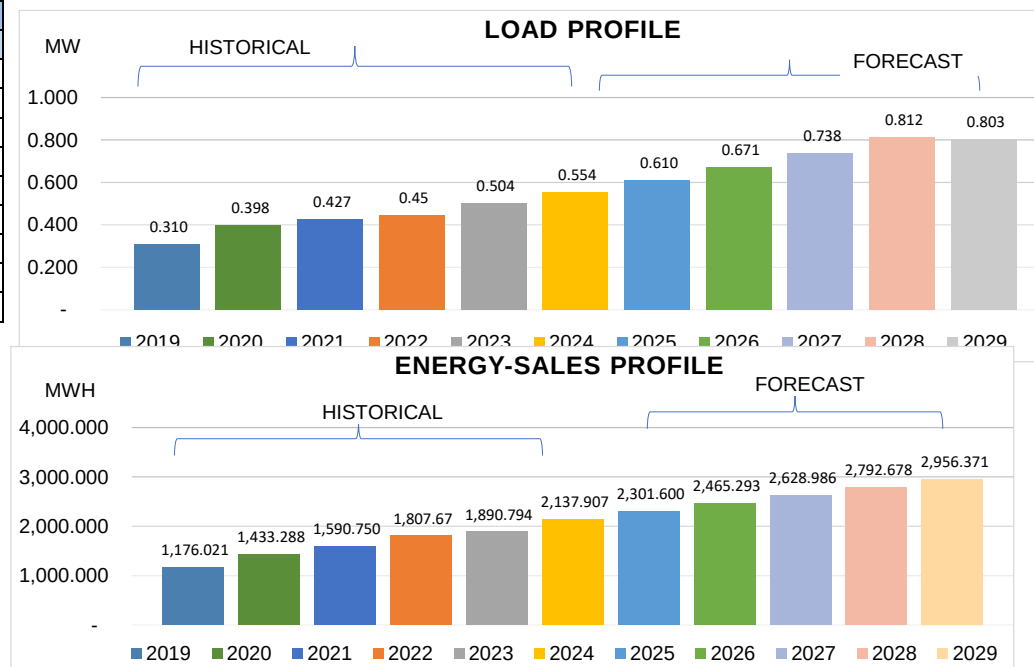


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.480	0.460	0.470	0.55	0.545	0.600	0.685	0.710	0.734	0.758	0.782
Existing Rated Capacity (MW)	1.747	1.660	1.920	2.03	2.030	2.030	2.030	2.030	2.030	1.770	1.510
Existing Dependable Capacity (MW)	1.530	1.500	1.660	1.67	1.670	1.275	1.275	1.275	1.275	1.275	1.275
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	1.747	1.660	1.920	2.03	2.030	2.630	2.630	2.630	2.630	2.370	1.510
Total Dependable Capacity (MW)	1.530	1.500	1.660	1.67	1.670	1.875	1.875	1.875	1.875	1.875	1.275
Gross Reserve Capacity (MW)	1.050	1.040	1.190	1.12	1.125	1.276	1.190	1.165	1.141	1.117	0.493
Dependable Capacity of largest unit (MW)	0.600	0.600	0.600	0.60	0.600	0.450	0.450	0.450	0.450	0.450	0.450
Net Reserve Capacity (MW)	0.450	0.440	0.590	0.52	0.525	0.826	0.740	0.715	0.691	0.667	0.043
Solar PV (MWp)									1.130		
BESS (MWh)									0.590		
Energy Sales (MWH)	1,929.760	2,096.080	2,262.266	2,503.31	2,831.360	3,046.142	3,278.586	3,511.031	3,743.475	3,975.919	4,208.363
Gross Generation (MWH)	2,128.880	2,267.178	2,400.727	2,669.43	2,985.903	3,212.267	3,444.711	3,677.155	3,909.599	4,142.044	4,374.488
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TANDUBANAK DPP
Name of Plant Head:	RUEL D. SOBREVEGA
Address:	Taungoh, Sibutu, Tawi-Tawi
Contact No.:	0908-181-9438
Email Address:	ldsobrevega@napocor.gov.ph
Distribution Utility:	TAWELCO
Number of Barangays:	8
Number of Households (2020 CENSUS):	3,302
Number of Energized Households	938



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.310	0.398	0.427	0.45	0.504	0.554	0.610	0.671	0.738	0.812	0.803
Existing Rated Capacity (MW)	1.092	1.045	1.045	1.79	1.517	1.517	1.517	1.517	1.517	1.517	1.517
Existing Dependable Capacity (MW)	0.790	0.800	0.800	1.25	0.950	0.990	0.990	0.990	0.990	0.990	0.990
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)							0.500	0.500	0.500	0.500	0.500
Total Installed Capacity (MW)	1.092	1.045	1.045	1.79	1.517	1.517	2.017	2.017	2.017	2.017	2.017
Total Dependable Capacity (MW)	0.790	0.800	0.800	1.25	0.950	0.990	1.490	1.490	1.490	1.490	1.490
Gross Reserve Capacity (MW)	0.480	0.402	0.373	0.80	0.446	0.436	0.880	0.819	0.752	0.678	0.687
Dependable Capacity of largest unit (MW)	0.270	0.300	0.300	0.20	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)	0.210	0.102	0.073	0.60	0.246	0.236	0.680	0.619	0.552	0.478	0.487
Solar PV (MWp)											
BESS (MWh)											
Energy Sales (MWH)	1,176.021	1,433.288	1,590.750	1,807.67	1,890.794	2,137.907	2,301.600	2,465.293	2,628.986	2,792.678	2,956.371
Gross Generation (MWH)	1,204.904	1,433.666	1,636.888	1,821.12	1,952.961	2,253.598	2,417.291	2,580.983	2,744.676	2,908.369	3,072.062
Operating Hours	24	24	24	24.00	24	24	24	24	24	24	24

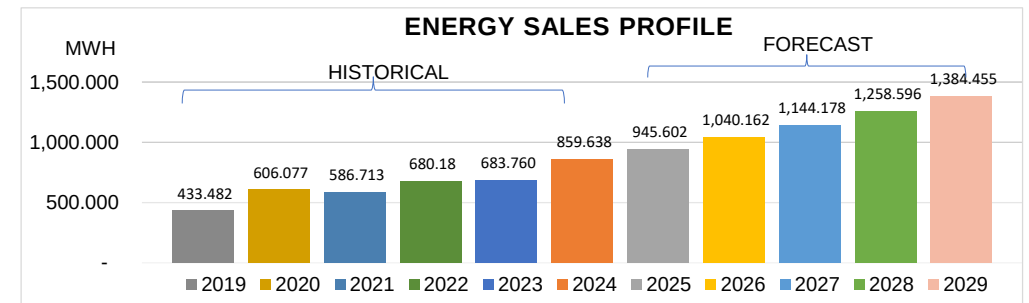
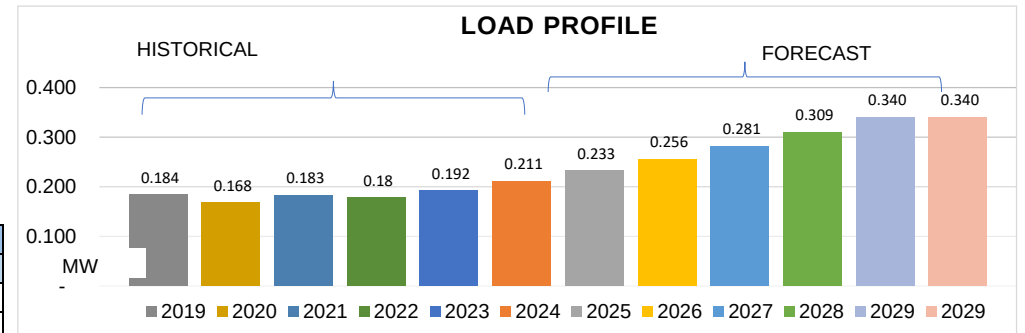
Note: No RE Program due to planned take-over of JV between TAWELCO and AIEC Ilaw Corporation but it was already abandoned



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>LANGUYAN DPP</u>
Name of Plant Head:	JEFFREY A. CABALLES
Address:	Brgy. Sikulis, Languyan, Tawi-Tawi
Contact No.:	0927-825-7452
Email Address:	jacaballes@napocor.gov.ph
Distribution Utility:	TAWELCO
Number of Barangays:	20
Number of Households (2020 CENSUS):	6,599
Number of Energized Households	609
Percentage of Energization	9%



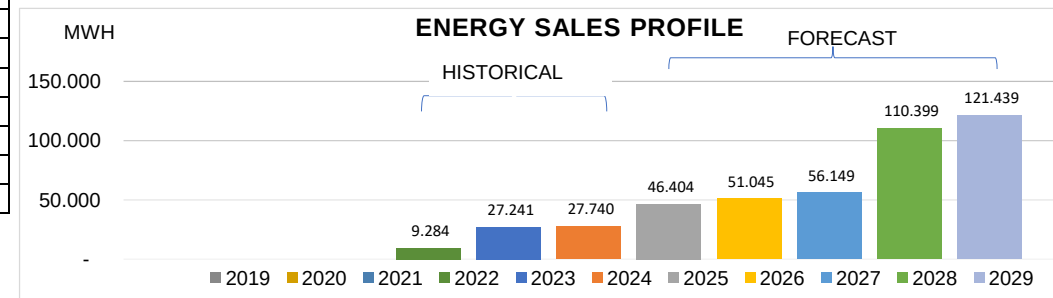
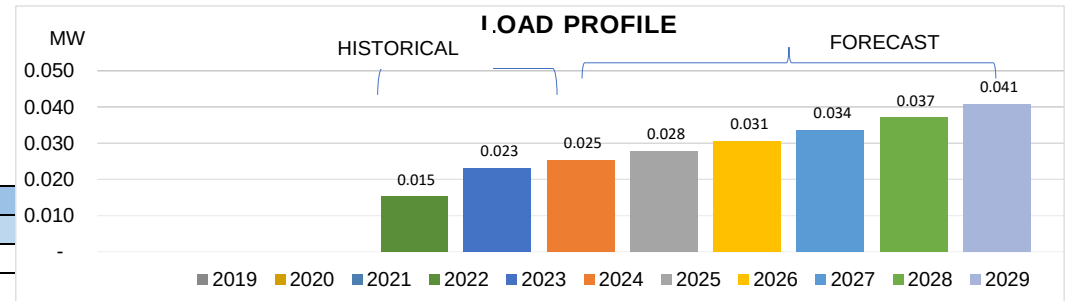
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)	0.184	0.168	0.183	0.18	0.192	0.211	0.233	0.256	0.281	0.309	0.340
Existing Rated Capacity (MW)	0.480	0.480	0.480	0.80	0.795	1.195	1.195	1.195	1.195	1.195	1.195
Existing Dependable Capacity (MW)	0.400	0.400	0.400	0.40	0.500	0.820	0.820	0.820	0.820	0.820	0.820
Capacity Addition (MW)											
Dependable Capacity of Add. unit (MW)											
Diesel Genset Rental (MW)											
Total Installed Capacity (MW)	0.480	0.480	0.480	0.80	1.195	1.195	1.195	1.195	1.195	1.195	1.195
Total Dependable Capacity (MW)	0.400	0.400	0.400	0.40	0.840	0.820	0.820	0.820	0.820	0.820	0.820
Gross Reserve Capacity (MW)	0.216	0.232	0.217	0.22	0.648	0.609	0.587	0.564	0.539	0.511	0.480
Dependable Capacity of largest unit (MW)	0.160	0.160	0.160	0.16	0.160	0.160	0.160	0.160	0.160	0.160	0.160
Net Reserve Capacity (MW)	0.056	0.072	0.057	0.06	0.488	0.449	0.427	0.404	0.379	0.351	0.320
Solar PV (MWp)					-	-	-	-	0.300	-	-
BESS (MWh)					-	-	-	-	0.100	-	-
Energy Sales (MWH)	433.482	606.077	586.713	680.18	683.760	859.638	945.602	1,040.162	1,144.178	1,258.596	1,384.455
Gross Generation (MWH)	454.964	624.009	604.000	696.03	716.747	885.071	973.578	1,070.936	1,178.029	1,295.832	1,425.415
Operating Hours	8	16	16	16.00	16	24	24	24	24	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>MANALIPA DPP</u>
Name of Plant Head:	N/A
Address:	Manalipa Island, Zamboanga City, Zamboanga del Sur
Contact No.:	N/A
Email Address:	<u>N/A</u>
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	585
Number of Energized Households	45
Percentage of Energization	8%

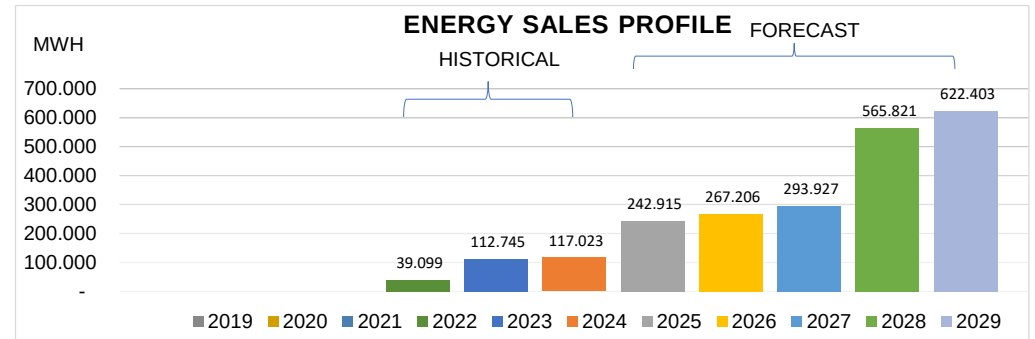
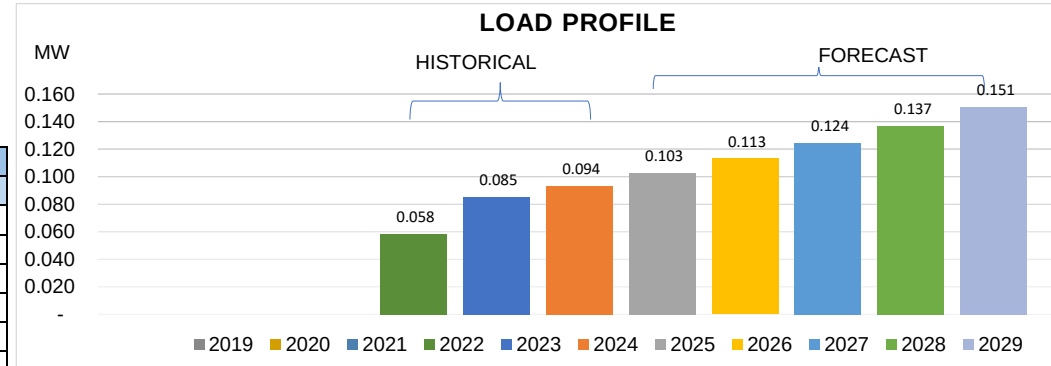


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.015	0.023	0.025	0.028	0.031	0.034	0.037	0.041
Existing Rated Capacity (MW)				0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Existing Dependable Capacity (MW)				0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Capacity Addition (MW)				-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)				-	-	0.100	0.100	0.100	0.100	0.100	0.100
Total Installed Capacity (MW)				0.050	0.050	0.150	0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)				0.040	0.040	0.140	0.140	0.140	0.140	0.140	0.140
Gross Reserve Capacity (MW)				0.025	0.017	0.115	0.112	0.109	0.106	0.103	0.099
Dependable Capacity of largest unit (MW)				0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Net Reserve Capacity (MW)				(0.015)	(0.023)	0.075	0.072	0.069	0.066	0.063	0.059
Solar PV (MWp)				-	-	-	-	-	-	-	0.020
BESS (MWh)				-	-	-	-	-	-	-	0.030
Energy Sales (MWh)				9.284	27.241	27.740	46.404	51.045	56.149	110.399	121.439
Gross Generation (MWh)				15.145	28.521	34.229	75.698	83.268	91.595	180.091	198.100
Operating Hours				8	8	8	16	16	16	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TIGTABON DPP
Name of Plant Head:	RICHARD M. BRIQUE
Address:	Tigtabon Island, Zamboanga City, Zamboanga del Sur
Contact No.:	9193414712
Email Address:	rmbrigue@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	1146
Number of Energized Households	241
Percentage of Energization	21%

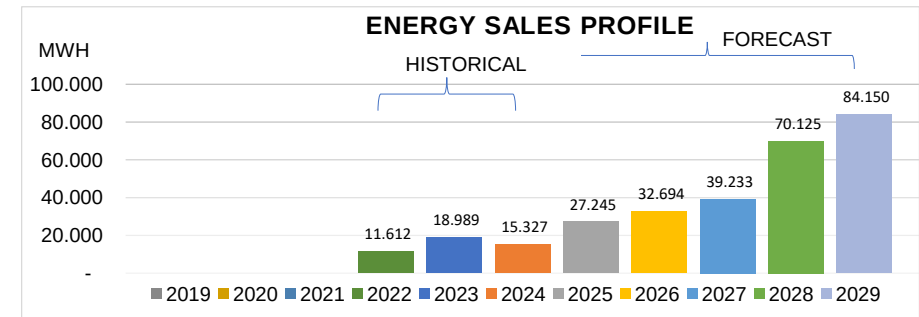
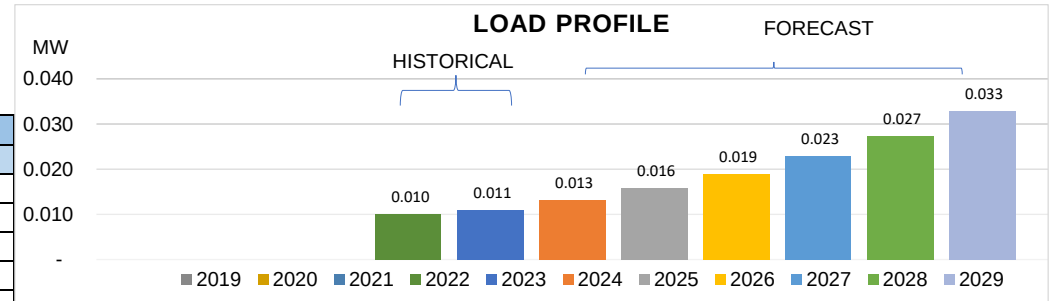


PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.058	0.085	0.094	0.103	0.113	0.124	0.137	0.151
Existing Rated Capacity (MW)				0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
Existing Dependable Capacity (MW)				0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Capacity Addition (MW)				-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)				-	-	0.200	0.200	0.200	0.200	0.200	0.200
Total Installed Capacity (MW)				0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
Total Dependable Capacity (MW)				0.090	0.090	0.290	0.290	0.290	0.290	0.290	0.290
Gross Reserve Capacity (MW)				0.032	0.005	0.197	0.187	0.177	0.166	0.153	0.139
Dependable Capacity of largest unit (MW)				0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Net Reserve Capacity (MW)				(0.058)	(0.085)	0.107	0.097	0.087	0.076	0.063	0.049
Solar PV (MWp)				-	-	-	-	-	-	-	0.080
BESS (MWh)				-	-	-	-	-	-	-	0.080
Energy Sales (MWH)				39.099	112.745	117.023	242.915	267.206	293.927	565.821	622.403
Gross Generation (MWH)				47.030	116.709	140.041	292.192	321.411	353.552	680.603	748.663
Operating Hours				8	8	8	16	16	16	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PANGAPUYAN DPP
Name of Plant Head:	RICHARD M. BRIQUE
Address:	Pangapuyan Island, Zamboanga City, Zamboanga del Sur
Contact No.:	9193414712
Email Address:	rmbrigue@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	169
Number of Energized Households	78
Percentage of Energization	46%



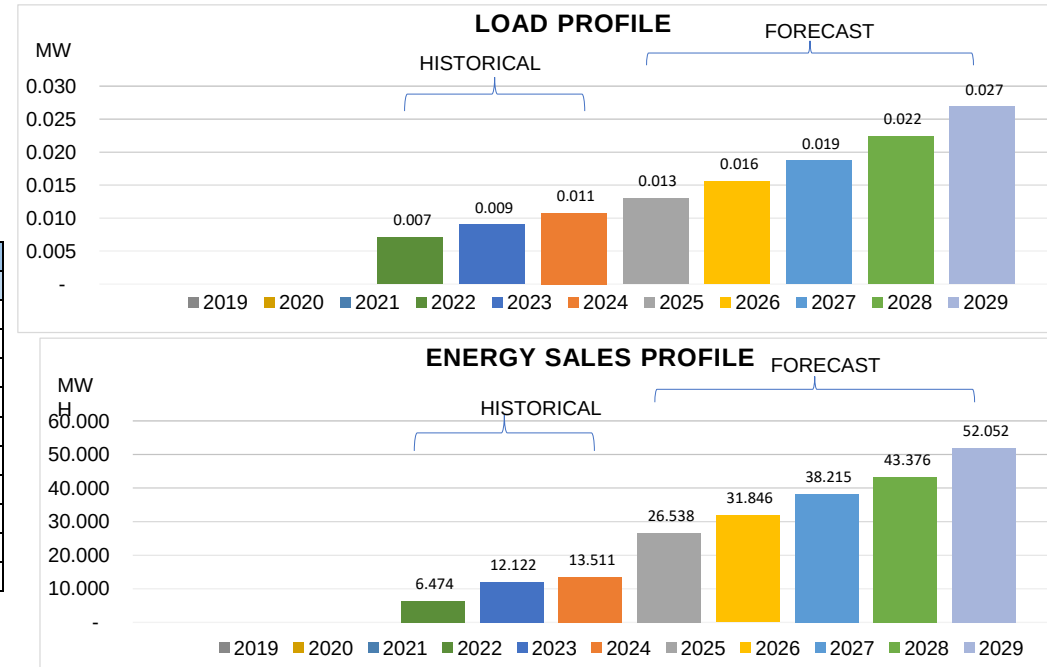
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.010	0.011	0.013	0.016	0.019	0.023	0.027	0.033
Existing Rated Capacity (MW)				0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Existing Dependable Capacity (MW)				0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Capacity Addition (MW)				-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)				-	-	0.050	0.050	0.050	0.050	0.050	0.050
Total Installed Capacity (MW)				0.013	0.013	0.063	0.063	0.063	0.063	0.063	0.063
Total Dependable Capacity (MW)				0.010	0.010	0.060	0.060	0.060	0.060	0.060	0.060
Gross Reserve Capacity (MW)				-	(0.001)	0.047	0.044	0.041	0.037	0.033	0.027
Dependable Capacity of largest unit (MW)				0.010	0.010	0.020	0.020	0.020	0.020	0.020	0.020
Net Reserve Capacity (MW)				(0.010)	(0.011)	0.027	0.024	0.021	0.017	0.013	0.007
Solar PV (MWp)				-	-	-	-	-	-	-	0.020
BESS (MWh)				-	-	-	-	-	-	-	0.020
Energy Sales (MWH)				11.612	18.989	15.327	27.245	32.694	39.233	70.125	84.150
Gross Generation (MWH)				22.532	20.526	29.742	52.868	63.442	76.130	136.074	163.288
Operating Hours				8	8	8	16	16	16	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TAPIANTANA DPP
Name of Plant Head:	FILDIZIA A. ADJAP
Address:	Brgy. Sulloh, Tapiantana Island, Tabuan-Lasa, Basilan
Contact No.:	9295193738
Email Address:	adiapfildizia@gmail.com
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	302
Number of Energized Households	108
Percentage of Energization	36%



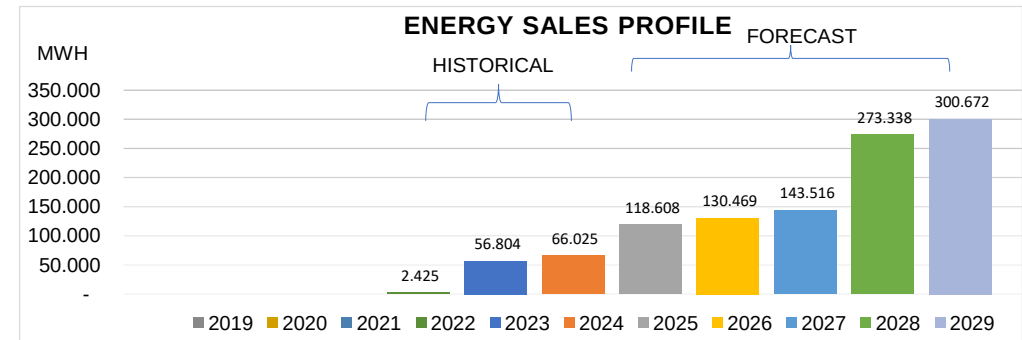
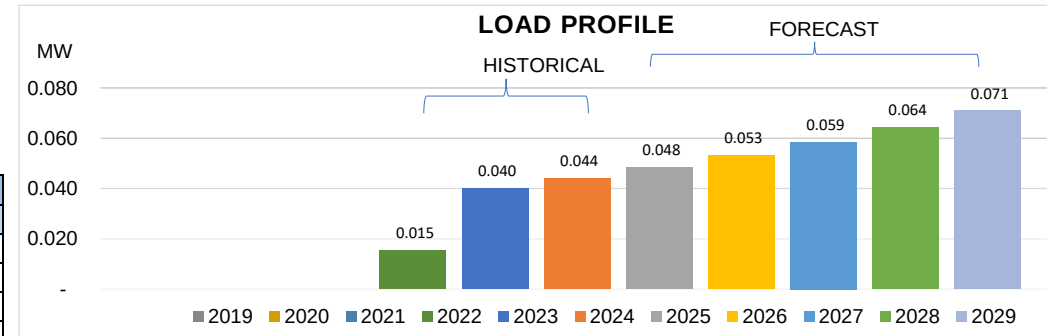
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.007	0.009	0.011	0.013	0.016	0.019	0.022	0.027
Existing Rated Capacity (MW)				0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)				0.100	0.100	0.100	0.150	0.150	0.150	0.150	0.150
Capacity Addition (MW)				-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)				-	-	-	-	-	-	-	-
Total Installed Capacity (MW)				0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)				0.100	0.100	0.150	0.150	0.150	0.150	0.150	0.150
Gross Reserve Capacity (MW)				0.093	0.091	0.139	0.137	0.134	0.131	0.128	0.123
Dependable Capacity of largest unit (MW)				0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)				0.043	0.041	0.089	0.087	0.084	0.081	0.078	0.073
Solar PV (MWp)				-	-	-	-	-	-	-	0.020
BESS (MWh)				-	-	-	-	-	-	-	0.020
Energy Sales (MWH)				6.474	12.122	13.511	26.538	31.846	38.215	43.376	52.052
Gross Generation (MWH)				8.722	14.027	16.949	35.754	42.905	51.486	58.439	70.127
Operating Hours				8	8	8	16	16	16	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TUMALUTAB DPP
Name of Plant Head:	RICHARD M. BRIQUE
Address:	Tumalutab Island, Zamboanga City, Zamboanga del Sur
Contact No.:	9193414712
Email Address:	rmbrigue@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	1
Number of Households (2020 CENSUS):	800
Number of Energized Households	212
Percentage of Energization	27%



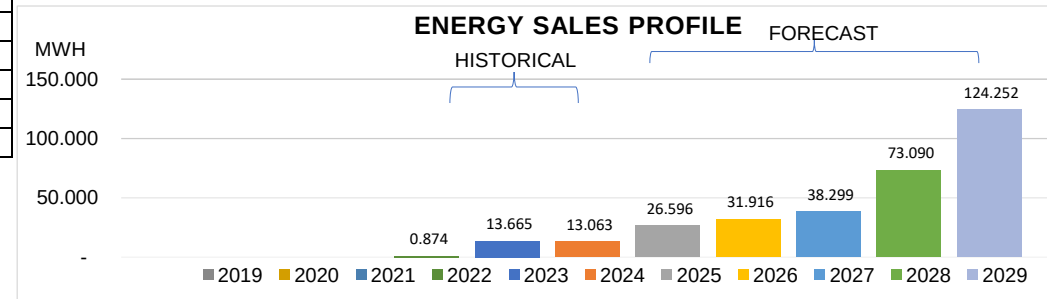
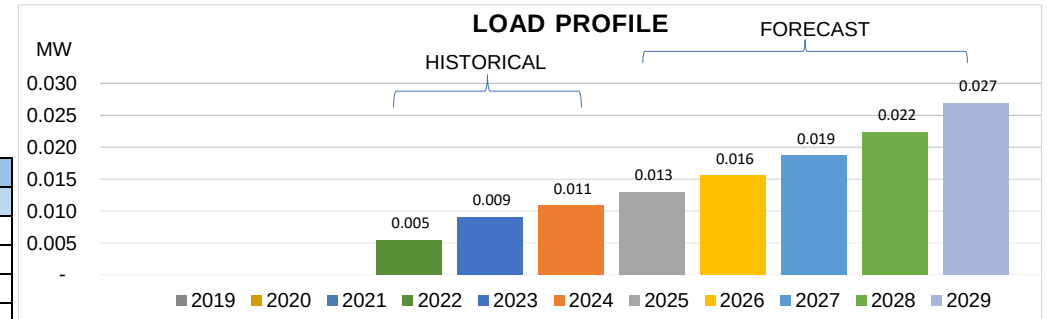
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.015	0.040	0.044	0.048	0.053	0.059	0.064	0.071
Existing Rated Capacity (MW)				0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Existing Dependable Capacity (MW)				0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Capacity Addition (MW)				-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)				-	-	0.100	0.100	0.100	0.100	0.100	0.100
Total Installed Capacity (MW)				0.040	0.040	0.140	0.040	0.040	0.040	0.040	0.040
Total Dependable Capacity (MW)				0.040	0.040	0.140	0.140	0.140	0.140	0.140	0.140
Gross Reserve Capacity (MW)				0.025	-	0.096	0.092	0.087	0.081	0.076	0.069
Dependable Capacity of largest unit (MW)				0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Net Reserve Capacity (MW)				(0.015)	(0.040)	0.056	0.052	0.047	0.041	0.036	0.029
Solar PV (MWp)				-	-	-	-	-	-	-	0.050
BESS (MWh)				-	-	-	-	-	-	-	0.060
Energy Sales (MWH)				2.425	56.804	66.025	118.608	130.469	143.516	273.338	300.672
Gross Generation (MWH)				2.875	57.749	76.040	140.612	154.674	170.141	324.047	356.452
Operating Hours				8	8	8	16	16	16	24	24



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	GREAT STA. CRUZ DPP
Name of Plant Head:	RICHARD M. BRIQUE
Address:	Great Sta. Cruz Island, Zamboanga City, Zamboanga del Sur
Contact No.:	9193414712
Email Address:	rmbrigue@napocor.gov.ph
Distribution Utility:	NPC
Number of Barangays:	
Number of Households (2020 CENSUS):	
Number of Energized Households	
Percentage of Energization	-



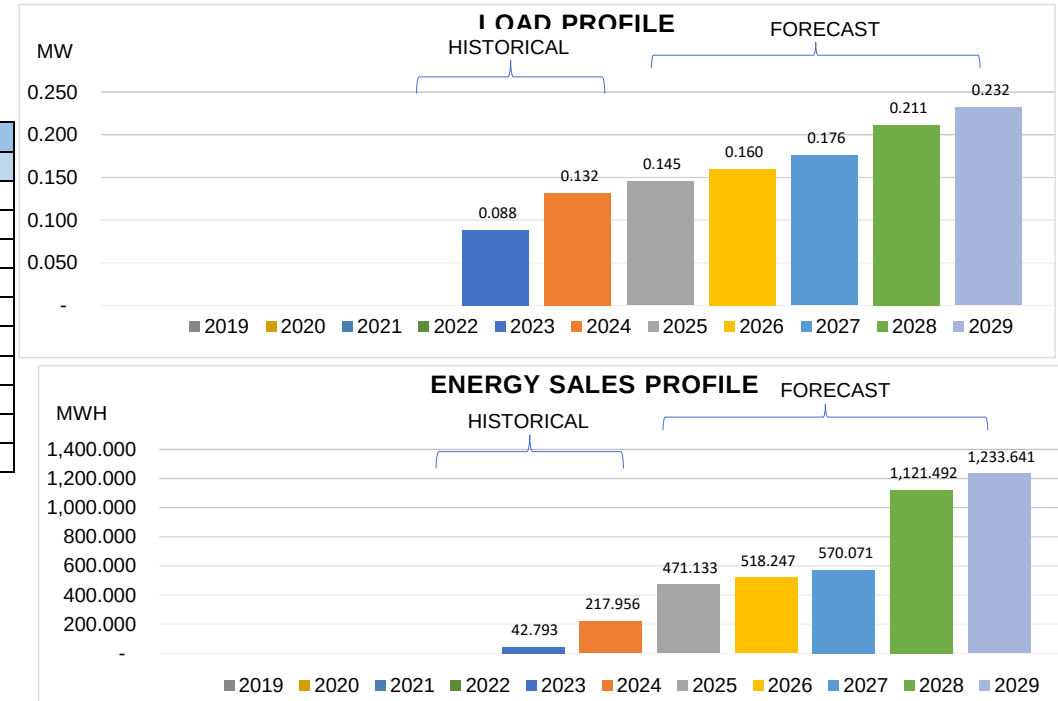
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)				0.005	0.009	0.011	0.013	0.016	0.019	0.022	0.027
Existing Rated Capacity (MW)				0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Existing Dependable Capacity (MW)				0.010	0.010	0.010	0.060	0.010	0.010	0.010	0.010
Capacity Addition (MW)				-	-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)				-	-	-	-	-	-	-	-
Diesel Genset Rental (MW)				-	-	0.050	0.050	0.050	0.050	0.050	0.050
Total Installed Capacity (MW)				0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Total Dependable Capacity (MW)				0.010	0.010	0.060	0.110	0.060	0.060	0.060	0.060
Gross Reserve Capacity (MW)				0.005	0.001	0.049	0.097	0.044	0.041	0.038	0.033
Dependable Capacity of largest unit (MW)				0.010	0.010	0.040	0.040	0.040	0.040	0.040	0.040
Net Reserve Capacity (MW)				(0.005)	(0.009)	0.009	0.057	0.004	0.001	(0.002)	(0.007)
Solar PV (MWp)				-	-	-	-	-	-	-	0.020
BESS (MWh)				-	-	-	-	-	-	-	0.030
Energy Sales (MWH)				0.874	13.665	13.063	26.596	31.916	38.299	73.090	124.252
Gross Generation (MWH)				1.233	15.071	16.323	37.493	44.991	53.990	103.034	175.159
Operating Hours				8	8	8	16	16	16	24	34



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>LUUK DPP</u>
Name of Plant Head:	N/A
Address:	Sitio Tabon, Brgy. Tanduh Bato, Luuk, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	SULECO
Number of Barangays:	11
Number of Households (2020 CENSUS):	6554
Number of Energized Households	308
Percentage of Energization	5%



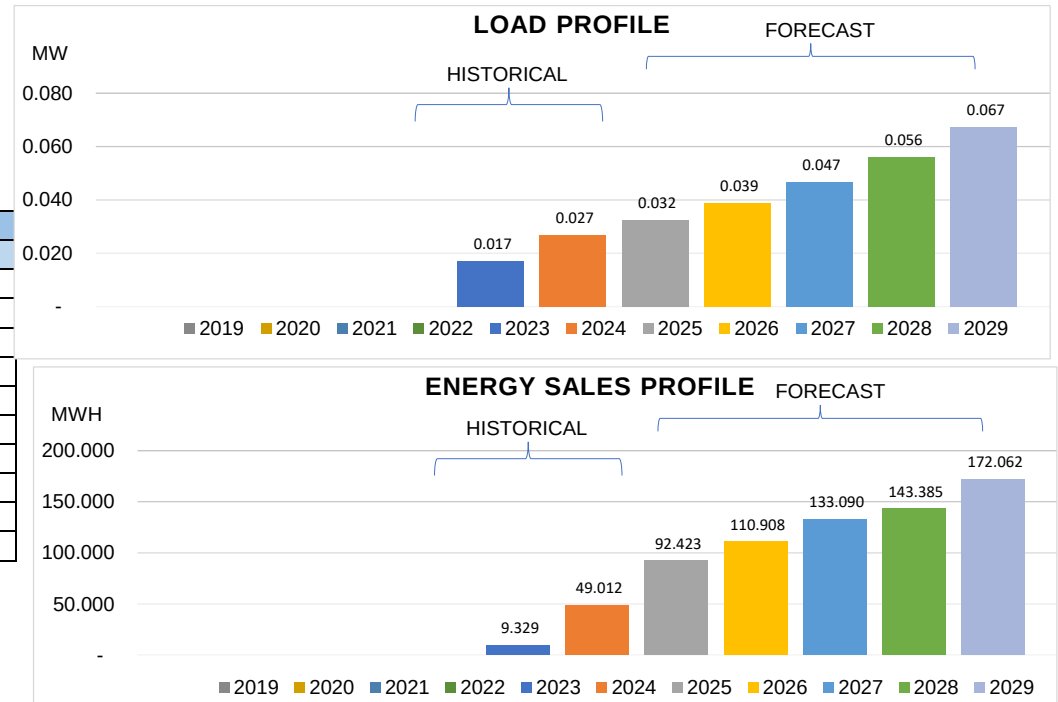
PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)					0.088	0.132	0.145	0.160	0.176	0.211	0.232
Existing Rated Capacity (MW)					0.425	0.425	0.825	0.825	0.825	0.825	0.825
Existing Dependable Capacity (MW)					0.300	0.300	0.580	0.580	0.580	0.580	0.580
Capacity Addition (MW)					-	0.400	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	0.280	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)					0.425	0.825	0.825	0.825	0.825	0.825	0.825
Total Dependable Capacity (MW)					0.300	0.580	0.580	0.580	0.580	0.580	0.580
Gross Reserve Capacity (MW)					0.212	0.448	0.435	0.420	0.404	0.369	0.348
Dependable Capacity of largest unit (MW)					0.200	0.200	0.200	0.200	0.200	0.200	0.200
Net Reserve Capacity (MW)					0.012	0.248	0.235	0.220	0.204	0.169	0.148
Solar PV (MWp)					-	-	-	-	-	-	0.220
BESS (MWh)					-	-	-	-	-	-	0.160
Energy Sales (MWH)					42.793	217.956	471.133	518.247	570.071	1,121.492	1,233.641
Gross Generation (MWH)					42.998	219.000	473.390	520.729	572.802	1,126.865	1,239.551
Operating Hours					8						



NATIONAL POWER CORPORATION
CORPORATE AFFAIRS GROUP
 Corporate Planning Department

MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>LANAWAN DPP</u>
Name of Plant Head:	N/A
Address:	
Contact No.:	N/A
Email Address:	<u>N/A</u>
Distribution Utility:	
Number of Barangays:	
Number of Households (2020 CENSUS):	
Number of Energized Households	
Percentage of Energization	



PARTICULAR/YEAR	HISTORICAL					FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)					0.017	0.027	0.032	0.039	0.047	0.056	0.067
Existing Rated Capacity (MW)					0.150	0.150	0.150	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)					0.150	0.150	0.150	0.150	0.150	0.150	0.150
Capacity Addition (MW)					-	-	-	-	-	-	-
Dependable Capacity of Add. unit (MW)					-	-	-	-	-	-	-
Diesel Genset Rental (MW)					-	-	-	-	-	-	-
Total Installed Capacity (MW)					0.150	0.150	0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)					0.150	0.150	0.150	0.150	0.150	0.150	0.150
Gross Reserve Capacity (MW)					0.133	0.123	0.118	0.111	0.103	0.094	0.083
Dependable Capacity of largest unit (MW)					0.050	0.050	0.050	0.050	0.050	0.050	0.050
Net Reserve Capacity (MW)					0.083	0.073	0.068	0.061	0.053	0.044	0.033
Solar PV (MWp)					-	-	-	-	-	-	0.410
BESS (MWh)					-	-	-	-	-	-	1.020
Energy Sales (MWH)					9.329	49.012	92.423	110.908	133.090	143.385	172.062
Gross Generation (MWH)					9.924	51.014	98.318	117.982	141.578	152.530	183.036
Operating Hours					8	8	16	16	16	24	24



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>SIBANAG DPP</u>
Name of Plant Head:	N/A
Address:	Imee, Sibanag Island , Basilisa, Dinagat Island
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	DIELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	563
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.042	0.045	0.049	0.054
Existing Rated Capacity (MW)								0.150	0.476	0.802	1.128
Existing Dependable Capacity (MW)								0.105	0.365	0.625	0.885
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)								0.476	0.802	1.128	1.454
Total Dependable Capacity (MW)								0.365	0.625	0.885	1.145
Gross Reserve Capacity (MW)								0.260	0.260	0.260	0.260
Dependable Capacity of largest unit (MW)								0.116	0.116	0.116	0.116
Net Reserve Capacity (MW)								0.145	0.145	0.145	0.145
Solar PV (MWp)								0.350			
BESS (MWh)								0.950			
Energy Sales (MWH)								64.298	105.152	114.625	124.914
Gross Generation (MWH)								64.941	106.204	115.772	126.163
Operating Hours								8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SARANGGANI DPP
Name of Plant Head:	N/A
Address:	Camalig, Sarangani Island, Sarangani, Davao Occidental
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	DASURECO
Number of Barangays:	4
Number of Households (2020 CENSUS):	331
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.068	0.269	0.285	0.302	0.320	0.339
Existing Rated Capacity (MW)						0.300	0.300	0.300	0.300	0.300	0.300
Existing Dependable Capacity (MW)						0.240	0.210	0.210	0.210	0.210	0.210
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)						0.300	0.300	0.300	0.300	0.300	0.300
Total Dependable Capacity (MW)						0.240	0.210	0.210	0.210	0.210	0.210
Gross Reserve Capacity (MW)						0.172	(0.059)	(0.075)	(0.092)	(0.110)	(0.129)
Dependable Capacity of largest unit (MW)						0.160	0.140	0.140	0.140	0.140	0.140
Net Reserve Capacity (MW)						0.012	(0.199)	(0.215)	(0.232)	(0.250)	(0.269)
Solar PV (MWp)											0.390
BESS (MWh)											0.980
Energy Sales (MWH)							955.866	1,012.412	1,072.144	1,135.232	1,201.664
Gross Generation (MWH)							965.425	1,022.536	1,082.866	1,146.585	1,213.681
Operating Hours							8	8	8	8	8

Note: Started its commercial operation on December 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>SALUPING DPP</u>
Name of Plant Head:	N/A
Address:	Saluping Island, Tabuan-Lasa, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	4
Number of Households (2020 CENSUS):	1078
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.079	0.086	0.094	0.102	0.111
Existing Rated Capacity (MW)							0.100	0.100	0.100	0.100	0.100
Existing Dependable Capacity (MW)							0.070	0.070	0.070	0.070	0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.100	0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)							0.070	0.070	0.070	0.070	0.070
Gross Reserve Capacity (MW)							(0.009)	(0.016)	(0.024)	(0.032)	(0.041)
Dependable Capacity of largest unit (MW)							0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)							(0.044)	(0.051)	(0.059)	(0.067)	(0.076)
Solar PV (MWp)											0.250
BESS (MWh)											0.620
Energy Sales (MWH)							183.111	199.667	217.687	237.299	258.598
Gross Generation (MWH)							184.942	201.664	219.864	239.672	261.183
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LAMPINIGAN DPP
Name of Plant Head:	N/A
Address:	Lampinigan Island, Isabela City, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	351
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.030	0.035
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										0.005	0.000
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.030)	(0.035)
Solar PV (MWp)										0.129	
BESS (MWh)										0.323	
Energy Sales (MWH)										17.483	80.317
Gross Generation (MWH)										17.658	81.120
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BUBUAN DPP
Name of Plant Head:	N/A
Address:	Bubuan Island, Tabuan-Lasa, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	661
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.057	0.067	0.074	0.081	0.089
Existing Rated Capacity (MW)							0.080	0.080	0.080	0.080	0.080
Existing Dependable Capacity (MW)							0.056	0.056	0.056	0.056	0.056
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.080	0.080	0.080	0.080	0.080
Total Dependable Capacity (MW)							0.056	0.056	0.056	0.056	0.056
Gross Reserve Capacity (MW)							(0.001)	(0.011)	(0.018)	(0.025)	(0.033)
Dependable Capacity of largest unit (MW)							0.028	0.028	0.028	0.028	0.028
Net Reserve Capacity (MW)							(0.029)	(0.039)	(0.046)	(0.053)	(0.061)
Solar PV (MWp)											0.170
BESS (MWh)											0.430
Energy Sales (MWH)							131.260	144.531	159.120	175.155	192.748
Gross Generation (MWH)							132.573	145.976	160.711	176.907	194.675
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LUGUS DPP
Name of Plant Head:	N/A
Address:	Parian Kayawan, Lugus Island, Lugus, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	NO DATA
Number of Barangays:	17
Number of Households (2020 CENSUS):	3935
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.126	0.141	0.159	0.277	0.311
Existing Rated Capacity (MW)							0.150	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)							0.105	0.105	0.105	0.105	0.105
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)							0.105	0.105	0.105	0.105	0.105
Gross Reserve Capacity (MW)							(0.021)	(0.036)	(0.054)	(0.172)	(0.206)
Dependable Capacity of largest unit (MW)							0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)							(0.056)	(0.071)	(0.089)	(0.207)	(0.241)
Solar PV (MWp)											0.350
BESS (MWh)											0.880
Energy Sales (MWH)							292.218	328.010	368.131	642.811	721.110
Gross Generation (MWH)							295.140	331.290	371.813	649.239	728.321
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BUCUTUA DPP
Name of Plant Head:	N/A
Address:	Dungon, Bucutua Island, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	1236
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.154	0.172	0.194	0.217	0.244
Existing Rated Capacity (MW)							0.200	0.200	0.200	0.200	0.200
Existing Dependable Capacity (MW)							0.140	0.140	0.140	0.140	0.140
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.200	0.200	0.200	0.200	0.200
Total Dependable Capacity (MW)							0.140	0.140	0.140	0.140	0.140
Gross Reserve Capacity (MW)							(0.014)	(0.032)	(0.054)	(0.077)	(0.104)
Dependable Capacity of largest unit (MW)							0.070	0.070	0.070	0.070	0.070
Net Reserve Capacity (MW)							(0.084)	(0.102)	(0.124)	(0.147)	(0.174)
Solar PV (MWp)											0.450
BESS (MWh)											1.130
Energy Sales (MWH)							356.406	400.060	448.994	503.839	565.211
Gross Generation (MWH)							359.970	404.060	453.484	508.878	570.863
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BULAN DPP
Name of Plant Head:	N/A
Address:	Kahikukuk, Bulan Island, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	777
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.087	0.094	0.103	0.112	0.122
Existing Rated Capacity (MW)							0.120	0.120	0.120	0.120	0.120
Existing Dependable Capacity (MW)							0.084	0.084	0.084	0.084	0.084
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.120	0.120	0.120	0.120	0.120
Total Dependable Capacity (MW)							0.084	0.084	0.084	0.084	0.084
Gross Reserve Capacity (MW)							(0.003)	(0.010)	(0.019)	(0.028)	(0.038)
Dependable Capacity of largest unit (MW)							0.042	0.042	0.042	0.042	0.042
Net Reserve Capacity (MW)							(0.045)	(0.052)	(0.061)	(0.070)	(0.080)
Solar PV (MWp)											0.260
BESS (MWh)											0.640
Energy Sales (MWH)							200.797	218.952	238.712	260.218	283.574
Gross Generation (MWH)							202.805	221.141	241.099	262.820	286.410
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BANGUINGUI DPP
Name of Plant Head:	N/A
Address:	Luuk (Pob.), Banguingui Island, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	457
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.035	0.037	0.039	0.042	0.044
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							0.007	0.005	0.003	0.000	(0.002)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.014)	(0.016)	(0.018)	(0.021)	(0.023)
Solar PV (MWp)											0.110
BESS (MWh)											0.280
Energy Sales (MWH)							81.605	86.440	91.549	96.945	102.628
Gross Generation (MWH)							82.421	87.305	92.465	97.915	103.655
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PAAROL DPP
Name of Plant Head:	N/A
Address:	North Paarol, Paarol Island, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	732
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.057	0.062	0.068	0.074	0.081
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							(0.015)	(0.020)	(0.026)	(0.032)	(0.039)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.036)	(0.041)	(0.047)	(0.053)	(0.060)
Solar PV (MWp)											0.110
BESS (MWh)											0.275
Energy Sales (MWH)							132.891	144.906	157.984	172.216	187.674
Gross Generation (MWH)							134.219	146.355	159.563	173.938	189.550
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BANGALAW DPP
Name of Plant Head:	N/A
Address:	Bangalaw, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	406
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.054	0.058	0.064	0.069	0.075
Existing Rated Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Existing Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.060	0.060	0.060	0.060	0.060
Total Dependable Capacity (MW)							0.042	0.042	0.042	0.042	0.042
Gross Reserve Capacity (MW)							(0.012)	(0.016)	(0.022)	(0.027)	(0.033)
Dependable Capacity of largest unit (MW)							0.021	0.021	0.021	0.021	0.021
Net Reserve Capacity (MW)							(0.033)	(0.037)	(0.043)	(0.048)	(0.054)
Solar PV (MWp)											0.170
BESS (MWh)											0.430
Energy Sales (MWH)							124.373	135.618	147.858	161.178	174.759
Gross Generation (MWH)							125.617	136.974	149.336	162.790	176.506
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TAMPAKAN DAMPONG DPP
Name of Plant Head:	N/A
Address:	Tampakan Dampong, South Ubian, Tawi-tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	5
Number of Households (2020 CENSUS):	966
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)									0.088	0.097	0.106
Existing Rated Capacity (MW)									0.200	0.200	0.200
Existing Dependable Capacity (MW)									0.140	0.140	0.140
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)									0.200	0.200	0.200
Total Dependable Capacity (MW)									0.140	0.140	0.140
Gross Reserve Capacity (MW)									0.052	0.043	0.034
Dependable Capacity of largest unit (MW)									0.140	0.140	0.140
Net Reserve Capacity (MW)									(0.088)	(0.097)	(0.106)
Solar PV (MWp)									0.405		
BESS (MWh)									1.013		
Energy Sales (MWH)									136.775	224.743	246.115
Gross Generation (MWH)									138.143	226.990	248.576
Operating Hours									8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TABAWAN DPP
Name of Plant Head:	N/A
Address:	Tabawan Island, South Ubian, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	15
Number of Households (2020 CENSUS):	2231
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.048	0.086	0.097	0.109	0.122	0.137
Existing Rated Capacity (MW)						0.150	0.150	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)						0.150	0.105	0.105	0.105	0.105	0.105
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)						0.150	0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)						0.150	0.105	0.105	0.105	0.105	0.105
Gross Reserve Capacity (MW)						0.102	0.019	0.008	(0.004)	(0.017)	(0.032)
Dependable Capacity of largest unit (MW)						0.050	0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)						0.052	(0.016)	(0.027)	(0.039)	(0.052)	(0.067)
Solar PV (MWp)											0.195
BESS (MWh)											0.485
Energy Sales (MWH)							212.116	238.097	267.221	299.862	336.388
Gross Generation (MWH)							214.238	240.478	269.893	302.861	339.751
Operating Hours							8	8	8	8	8

Note: Started commercial operation on October 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TAGANAK DPP
Name of Plant Head:	N/A
Address:	Taganak Poblacion, Turtle Island, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	CASELCO
Number of Barangays:	2
Number of Households (2020 CENSUS):	782
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)						0.097	0.057	0.060	0.063	0.067	0.071
Existing Rated Capacity (MW)						0.150	0.150	0.150	0.150	0.150	0.150
Existing Dependable Capacity (MW)						0.150	0.105	0.105	0.105	0.105	0.105
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)						0.150	0.150	0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)						0.150	0.105	0.105	0.105	0.105	0.105
Gross Reserve Capacity (MW)						0.053	0.048	0.045	0.042	0.038	0.034
Dependable Capacity of largest unit (MW)						0.050	0.035	0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)						0.003	0.013	0.010	0.007	0.003	(0.001)
Solar PV (MWp)											0.215
BESS (MWh)											0.540
Energy Sales (MWH)							122.628	129.894	137.571	145.680	154.220
Gross Generation (MWH)							123.854	131.193	138.947	147.137	155.762
Operating Hours							8	8	8	8	8

Note: Started commercial operation on June 2024



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LINONGAN DPP
Name of Plant Head:	N/A
Address:	Linongan, Akbar, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	395
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.043
Existing Rated Capacity (MW)											0.100
Existing Dependable Capacity (MW)											0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.100
Total Dependable Capacity (MW)											0.070
Gross Reserve Capacity (MW)											0.027
Dependable Capacity of largest unit (MW)											0.070
Net Reserve Capacity (MW)											(0.043)
Solar PV (MWp)											0.179
BESS (MWh)											0.448
Energy Sales (MWH)											24.686
Gross Generation (MWH)											24.932
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>DASALAN DPP</u>
Name of Plant Head:	N/A
Address:	Dasalan, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	473
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.047
Existing Rated Capacity (MW)											0.100
Existing Dependable Capacity (MW)											0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.100
Total Dependable Capacity (MW)											0.070
Gross Reserve Capacity (MW)											0.023
Dependable Capacity of largest unit (MW)											0.070
Net Reserve Capacity (MW)											(0.047)
Solar PV (MWp)											0.198
BESS (MWh)											0.496
Energy Sales (MWH)											27.313
Gross Generation (MWH)											27.586
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALUK-BALUK DPP
Name of Plant Head:	N/A
Address:	Baluk-Baluk, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	236
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.027	0.029	0.032	0.034	0.038
Existing Rated Capacity (MW)							0.120	0.120	0.120	0.120	0.120
Existing Dependable Capacity (MW)							0.084	0.084	0.084	0.084	0.084
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.120	0.120	0.120	0.120	0.120
Total Dependable Capacity (MW)							0.084	0.084	0.084	0.084	0.084
Gross Reserve Capacity (MW)							0.057	0.055	0.052	0.050	0.046
Dependable Capacity of largest unit (MW)							0.042	0.042	0.042	0.042	0.042
Net Reserve Capacity (MW)							0.015	0.013	0.010	0.008	0.004
Solar PV (MWp)											0.090
BESS (MWh)											0.225
Energy Sales (MWH)							61.716	67.295	73.369	79.979	87.157
Gross Generation (MWH)							62.333	67.968	74.103	80.779	88.029
Operating Hours							8	8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PALAHANGAN DPP
Name of Plant Head:	N/A
Address:	Palahangan, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	316
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.028	0.031	0.034	0.037
Existing Rated Capacity (MW)											
Existing Dependable Capacity (MW)											
Capacity Addition (MW)											
Diesel Genset Rental (MW)								0.100	0.100	0.100	0.100
Dependable Capacity of Add. unit (MW)								0.070	0.070	0.070	0.070
Total Installed Capacity (MW)								0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)								0.070	0.070	0.070	0.070
Gross Reserve Capacity (MW)								0.042	0.039	0.036	0.033
Dependable Capacity of largest unit (MW)								0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)								0.007	0.004	0.001	(0.002)
Solar PV (MWp)											0.950
BESS (MWh)											0.235
Energy Sales (MWH)								65.930	71.880	78.356	85.388
Gross Generation (MWH)								66.589	72.599	79.139	86.242
Operating Hours								8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LANGIL DPP
Name of Plant Head:	N/A
Address:	Langil, Hadji Mohammad Ajul, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	247
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.018
Existing Rated Capacity (MW)											0.030
Existing Dependable Capacity (MW)											0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.030
Total Dependable Capacity (MW)											0.021
Gross Reserve Capacity (MW)											0.003
Dependable Capacity of largest unit (MW)											0.030
Net Reserve Capacity (MW)											(0.027)
Solar PV (MWp)											0.074
BESS (MWh)											0.186
Energy Sales (MWH)											10.235
Gross Generation (MWH)											10.338
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SIBAGO DPP
Name of Plant Head:	N/A
Address:	Sibago, Hadji Mohammad Ajul, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	294
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.030
Existing Rated Capacity (MW)											0.050
Existing Dependable Capacity (MW)											0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.050
Total Dependable Capacity (MW)											0.035
Gross Reserve Capacity (MW)											0.005
Dependable Capacity of largest unit (MW)											0.050
Net Reserve Capacity (MW)											(0.045)
Solar PV (MWp)											0.126
BESS (MWh)											0.314
Energy Sales (MWH)											17.296
Gross Generation (MWH)											17.469
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SANGBAY BIG DPP
Name of Plant Head:	N/A
Address:	Sangbay Big, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	542
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.054	0.062
Existing Rated Capacity (MW)										0.100	0.100
Existing Dependable Capacity (MW)										0.070	0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.100	0.100
Total Dependable Capacity (MW)										0.070	0.070
Gross Reserve Capacity (MW)										0.016	0.008
Dependable Capacity of largest unit (MW)										0.070	0.070
Net Reserve Capacity (MW)										(0.054)	(0.062)
Solar PV (MWp)										0.232	
BESS (MWh)										0.581	
Energy Sales (MWH)										31.415	144.324
Gross Generation (MWH)										31.729	145.767
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>SANGBAY SMALL DPP</u>
Name of Plant Head:	N/A
Address:	Sangbay Small, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	449
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.046	0.052
Existing Rated Capacity (MW)										0.100	0.100
Existing Dependable Capacity (MW)										0.070	0.070
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.100	0.100
Total Dependable Capacity (MW)										0.070	0.070
Gross Reserve Capacity (MW)										0.024	0.018
Dependable Capacity of largest unit (MW)										0.070	0.070
Net Reserve Capacity (MW)										(0.046)	(0.052)
Solar PV (MWp)										0.195	
BESS (MWh)										0.488	
Energy Sales (MWH)										26.412	121.341
Gross Generation (MWH)										26.677	122.554
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TAMUK HYBRID POWER PLANT
Name of Plant Head:	N/A
Address:	Tamuk Island, Maluso, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	N/A
Number of Barangays:	1
Number of Households (2020 CENSUS):	190
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.021	0.026
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										0.014	0.009
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.021)	(0.026)
Solar PV (MWp)										0.129	
BESS (MWh)										0.323	
Energy Sales (MWH)										12.395	59.239
Gross Generation (MWH)										12.519	59.831
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MANANGGAL HYBRID POWER PLANT
Name of Plant Head:	N/A
Address:	Mananggal Island, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	N/A
Number of Barangays:	1
Number of Households (2020 CENSUS):	165
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.015	0.018
Existing Rated Capacity (MW)										0.050	0.050
Existing Dependable Capacity (MW)										0.035	0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.050	0.050
Total Dependable Capacity (MW)										0.035	0.035
Gross Reserve Capacity (MW)										0.020	0.017
Dependable Capacity of largest unit (MW)										0.035	0.035
Net Reserve Capacity (MW)										(0.015)	(0.018)
Solar PV (MWp)										0.129	
BESS (MWh)										0.323	
Energy Sales (MWH)										8.876	40.776
Gross Generation (MWH)										8.965	41.184
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	SAIMBANGON HYBRID POWER
Name of Plant Head:	N/A
Address:	Saimbangon, Pata, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	N/A
Number of Barangays:	1
Number of Households (2020 CENSUS):	673
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.152	0.174
Existing Rated Capacity (MW)										0.300	0.300
Existing Dependable Capacity (MW)										0.210	0.210
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.300	0.300
Total Dependable Capacity (MW)										0.210	0.210
Gross Reserve Capacity (MW)										0.058	0.036
Dependable Capacity of largest unit (MW)										0.210	0.210
Net Reserve Capacity (MW)										(0.152)	(0.174)
Solar PV (MWp)										0.696	
BESS (MWh)										1.740	
Energy Sales (MWH)										88.059	404.551
Gross Generation (MWH)										88.940	408.597
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	DAUNGdong DPP
Name of Plant Head:	N/A
Address:	Daungdong, Pata, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	SULECO
Number of Barangays:	1
Number of Households (2020 CENSUS):	263
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.028
Existing Rated Capacity (MW)											0.150
Existing Dependable Capacity (MW)											0.105
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.150
Total Dependable Capacity (MW)											0.105
Gross Reserve Capacity (MW)											0.077
Dependable Capacity of largest unit (MW)											0.075
Net Reserve Capacity (MW)											0.002
Solar PV (MWp)											0.126
BESS (MWh)											0.314
Energy Sales (MWH)											16.473
Gross Generation (MWH)											16.637
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TANGKAPAAN HYBRID POWER
Name of Plant Head:	N/A
Address:	Tangkapaan, Tapul, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	N/A
Number of Barangays:	1
Number of Households (2020 CENSUS):	284
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)										0.026	0.030
Existing Rated Capacity (MW)										0.060	0.060
Existing Dependable Capacity (MW)										0.042	0.042
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)										0.060	0.060
Total Dependable Capacity (MW)										0.042	0.042
Gross Reserve Capacity (MW)										0.016	0.012
Dependable Capacity of largest unit (MW)										0.042	0.042
Net Reserve Capacity (MW)										(0.026)	(0.030)
Solar PV (MWp)										0.129	
BESS (MWh)										0.323	
Energy Sales (MWH)										15.277	70.185
Gross Generation (MWH)										15.430	70.887
Operating Hours										8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TATTALAN DPP
Name of Plant Head:	N/A
Address:	Tattalan, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	296
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.034	0.037	0.040	0.044
Existing Rated Capacity (MW)											
Existing Dependable Capacity (MW)											
Capacity Addition (MW)											
Diesel Genset Rental (MW)								0.120	0.120	0.120	0.120
Dependable Capacity of Add. unit (MW)								0.084	0.084	0.084	0.084
Total Installed Capacity (MW)								0.120	0.120	0.120	0.120
Total Dependable Capacity (MW)								0.084	0.084	0.084	0.084
Gross Reserve Capacity (MW)								0.050	0.047	0.044	0.040
Dependable Capacity of largest unit (MW)								0.042	0.042	0.042	0.042
Net Reserve Capacity (MW)								0.008	0.005	0.002	(0.002)
Solar PV (MWp)											0.120
BESS (MWh)											0.290
Energy Sales (MWH)								78.644	85.741	93.466	101.855
Gross Generation (MWH)								79.430	86.599	94.400	102.873
Operating Hours								8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	PANDUCAN DPP
Name of Plant Head:	N/A
Address:	Panducan, Hadji Muhtamad, Basilan
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	250
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.023
Existing Rated Capacity (MW)											0.050
Existing Dependable Capacity (MW)											0.035
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.050
Total Dependable Capacity (MW)											0.035
Gross Reserve Capacity (MW)											0.012
Dependable Capacity of largest unit (MW)											0.035
Net Reserve Capacity (MW)											(0.023)
Solar PV (MWp)											0.101
BESS (MWh)											0.253
Energy Sales (MWH)											13.241
Gross Generation (MWH)											13.373
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	TABIALAN DPP
Name of Plant Head:	N/A
Address:	Tabialan, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	361
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.030
Existing Rated Capacity (MW)											0.030
Existing Dependable Capacity (MW)											0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.030
Total Dependable Capacity (MW)											0.021
Gross Reserve Capacity (MW)											(0.009)
Dependable Capacity of largest unit (MW)											0.021
Net Reserve Capacity (MW)											(0.030)
Solar PV (MWp)											0.283
BESS (MWh)											0.707
Energy Sales (MWH)											17.640
Gross Generation (MWH)											17.816
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALANGUINGUI DPP
Name of Plant Head:	N/A
Address:	Sitio Sipak, South paarol, Balanguingui Island, Banguingui, Sulu
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	BASELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	Sitio
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)											0.025
Existing Rated Capacity (MW)											0.030
Existing Dependable Capacity (MW)											0.021
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)											0.030
Total Dependable Capacity (MW)											0.021
Gross Reserve Capacity (MW)											(0.004)
Dependable Capacity of largest unit (MW)											0.021
Net Reserve Capacity (MW)											(0.025)
Solar PV (MWp)											0.074
BESS (MWh)											0.184
Energy Sales (MWH)											14.320
Gross Generation (MWH)											14.464
Operating Hours											8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	<u>SIKUBONG DPP</u>
Name of Plant Head:	N/A
Address:	Kohec, Sikubong Island, Sapa-Sapa, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	10
Number of Households (2020 CENSUS):	1634
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)							0.140	0.153	0.166	0.181	0.198
Existing Rated Capacity (MW)							0.525	0.525	0.825	0.825	0.825
Existing Dependable Capacity (MW)							0.290	0.290	0.290	0.290	0.290
Capacity Addition (MW)											
Diesel Genset Rental (MW)											
Dependable Capacity of Add. unit (MW)											
Total Installed Capacity (MW)							0.525	0.525	0.525	0.525	0.525
Total Dependable Capacity (MW)							0.290	0.290	0.290	0.290	0.290
Gross Reserve Capacity (MW)							0.150	0.137	0.124	0.109	0.092
Dependable Capacity of largest unit (MW)							0.190	0.190	0.190	0.190	0.190
Net Reserve Capacity (MW)							(0.040)	(0.053)	(0.066)	(0.081)	(0.098)
Solar PV (MWp)											0.415
BESS (MWh)											1.030
Energy Sales (MWH)							324.819	354.187	386.153	420.941	458.723
Gross Generation (MWH)							328.067	357.729	390.014	425.151	463.310
Operating Hours							8	8	8	8	8

Note: Started commercial operation on February 2025 by transfer of Genset. Data shown forecast only



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BALDATAL ISLAM DPP
Name of Plant Head:	N/A
Address:	Baldatal Islam, Sapa-Sapa, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	1
Number of Households (2020 CENSUS):	228
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.020	0.021	0.023	0.024
Existing Rated Capacity (MW)											
Existing Dependable Capacity (MW)											
Capacity Addition (MW)											
Diesel Genset Rental (MW)								0.100	0.100	0.100	0.100
Dependable Capacity of Add. unit (MW)								0.070	0.070	0.070	0.070
Total Installed Capacity (MW)								0.100	0.100	0.100	0.100
Total Dependable Capacity (MW)								0.070	0.070	0.070	0.070
Gross Reserve Capacity (MW)								0.050	0.049	0.047	0.046
Dependable Capacity of largest unit (MW)								0.035	0.035	0.035	0.035
Net Reserve Capacity (MW)								0.015	0.014	0.012	0.011
Solar PV (MWp)											0.065
BESS (MWh)											0.155
Energy Sales (MWH)								45.889	49.077	52.479	56.100
Gross Generation (MWH)								46.347	49.568	53.004	56.661
Operating Hours								8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	MANTABUAN DPP
Name of Plant Head:	N/A
Address:	Mantabuan Island, Sapa-Sapa, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	6
Number of Households (2020 CENSUS):	1260
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.093	0.101	0.109	0.117
Existing Rated Capacity (MW)											
Existing Dependable Capacity (MW)											
Capacity Addition (MW)											
Diesel Genset Rental (MW)								0.300	0.300	0.300	0.300
Dependable Capacity of Add. unit (MW)								0.210	0.210	0.210	0.210
Total Installed Capacity (MW)								0.300	0.300	0.300	0.300
Total Dependable Capacity (MW)								0.210	0.210	0.210	0.210
Gross Reserve Capacity (MW)								0.117	0.109	0.101	0.093
Dependable Capacity of largest unit (MW)								0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)								0.012	0.004	(0.004)	(0.012)
Solar PV (MWp)											0.290
BESS (MWh)											0.730
Energy Sales (MWH)								216.769	234.015	252.597	272.570
Gross Generation (MWH)								218.936	236.355	255.123	275.296
Operating Hours								8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	LATUAN DPP
Name of Plant Head:	N/A
Address:	Latuan Island, Sapa-Sapa, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	534
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.047	0.053	0.059	0.066
Existing Rated Capacity (MW)											
Existing Dependable Capacity (MW)											
Capacity Addition (MW)											
Diesel Genset Rental (MW)								0.150	0.150	0.150	0.150
Dependable Capacity of Add. unit (MW)								0.105	0.105	0.105	0.105
Total Installed Capacity (MW)								0.150	0.150	0.150	0.150
Total Dependable Capacity (MW)								0.105	0.105	0.105	0.105
Gross Reserve Capacity (MW)								0.058	0.052	0.046	0.039
Dependable Capacity of largest unit (MW)								0.053	0.053	0.053	0.053
Net Reserve Capacity (MW)								0.005	(0.000)	(0.007)	(0.014)
Solar PV (MWp)											0.145
BESS (MWh)											0.360
Energy Sales (MWH)								109.152	122.503	137.467	154.212
Gross Generation (MWH)								110.244	123.729	138.842	155.754
Operating Hours								8	8	8	8

Note:



MISSIONARY ELECTRIFICATION PLAN (2025-2029)

SUPPLY AND DEMAND PROFILE	
General Information	
Name of Power Plant:	BANARAN DPP
Name of Plant Head:	N/A
Address:	Banaran Island, Sapa-Sapa, Tawi-Tawi
Contact No.:	N/A
Email Address:	N/A
Distribution Utility:	TAWELCO
Number of Barangays:	3
Number of Households (2020 CENSUS):	1534
Number of Energized Households	0
Percentage of Energization	0%

PARTICULAR/YEAR	HISTORICAL						FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Peak Demand (MW)								0.132	0.156	0.183	0.215
Existing Rated Capacity (MW)											
Existing Dependable Capacity (MW)											
Capacity Addition (MW)											
Diesel Genset Rental (MW)								0.300	0.300	0.300	0.300
Dependable Capacity of Add. unit (MW)								0.210	0.210	0.210	0.210
Total Installed Capacity (MW)								0.300	0.300	0.300	0.300
Total Dependable Capacity (MW)								0.210	0.210	0.210	0.210
Gross Reserve Capacity (MW)								0.078	0.054	0.027	(0.005)
Dependable Capacity of largest unit (MW)								0.105	0.105	0.105	0.105
Net Reserve Capacity (MW)								(0.027)	(0.051)	(0.078)	(0.110)
Solar PV (MWp)											0.410
BESS (MWh)											1,020
Energy Sales (MWH)								307.022	360.984	424.369	498.730
Gross Generation (MWH)								310.092	364.594	428.612	503.717
Operating Hours								8	8	8	8

Note: