



Department of
Energy

Philippine Downstream Natural Gas Industry (PDNGI) *Updates*

APEC Expert Group on
Clean Fossil Energy
20 April 2023

Presented By
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Outline of Presentation

I

Philippine Energy Sector and the Role of Natural Gas

II

Development Plans and Programs



I. Philippine Energy Sector and the Role of Natural Gas

LNG Regasification Capacity to Power Demand Projection

Fuel Type (MW)	2020		2040				Total Needed Capacity by 2040			
	Actual	% Shares	REF	% Shares	CES	% Shares	REF		CES	
							MW	MTPA equivalent	MW	MTPA equivalent
Coal	10,944	41.7	13,585	14.2	13,585	11.5	2,641		2,641	
Natural Gas	3,453	13.2	24,263	25.4	18,883	15.9	20,810	26.0	15,430	19.3
Oil-based	4,237	16.1	4,618	4.8	4,618	3.9	381		381	
Renewable	7,617	29.0	53,205	55.6	81,485	68.7	45,588		73,868	
<i>Geothermal</i>	1,928	7.3	2,408	2.5	2,408	2.0	480		480	
<i>Hydro</i>	3,779	14.4	15,426	16.1	20,176	17.0	11,647		16,397	
<i>Wind</i>	443	1.7	2,027	2.1	11,830	10.0	1,584		11,387	
<i>Solar</i>	1,019	3.9	32,590	34.1	46,137	38.9	31,571		45,118	
<i>Biomass</i>	447	1.7	753	0.8	933	0.8	306		486	
TOTAL	26,250	100.0	95,670	100.0	118,570	100.0	69,420		92,320	

Source: Philippine Energy Plan 2020-2040. Department of Energy

II. Development Plans and Programs

A. Status of Ongoing LNG Terminal & Regasification Projects

FGEN LNG CORPORATION

Interim Floating Storage and Regasification Unit (FSRU)

- Capacity : 5.26 MTPA
- Estimated COD: June 2023 (Arrival of FSRU)
- Anchor Market: 1,000 MW Sta. Rita, 500 MW San Lorenzo, 414 MW San Gabriel, and 97 MW Avion



LINSEED FIELD CORPORATION (LFC)

Floating Storage Unit (FSU) and Onshore Regasification and 60,000 cbm buffer LNG Storage Tank

- Capacity : 3 MTPA
- Estimated COD: June 2023
- Anchor Market: 1,200 MW Ilijan Power Plant



ENERGY WORLD GAS OPERATIONS PHILIPPINES INC. CORPORATION (EWGOPI)

LNG Storage and Regasification Terminal

- Capacity : 3 MTPA
- Estimated COD: December 2023
- Anchor Market: TBD



LUZON LNG TERMINAL INC. (LLTI)

FSRU LNG Terminal

- Capacity : 4.4 MTPA
- Estimated COD: December 2025
- Anchor Market: TBD



As of 15 March 2023, four (4) LNG Proponents were issued with Permit to Construct.

II. Development Plans and Programs

B. Status of Ongoing LNG Terminal & Regasification Projects

Three (3) LNG Proponents were issued with Notice to Proceed (NTP).

SAMAT LNG CORPORATION

Small-Scale LNG Terminal Project



- Capacity : 0.32 MTPA
- Estimated COD: Phase 1 - Mar 2024, Phase 2 May 2025
- Anchor Market: TBD

SHELL ENERGY PHILIPPINES, INC.

Floating Storage and Regasification Unit (FSRU) Terminal



- Capacity : 3 MTPA
- Estimated COD: Sep 2025
- Anchor Market: TBD

VIRES ENERGY CORPORATION

Floating Storage and Regasification Unit (FSRU) Terminal

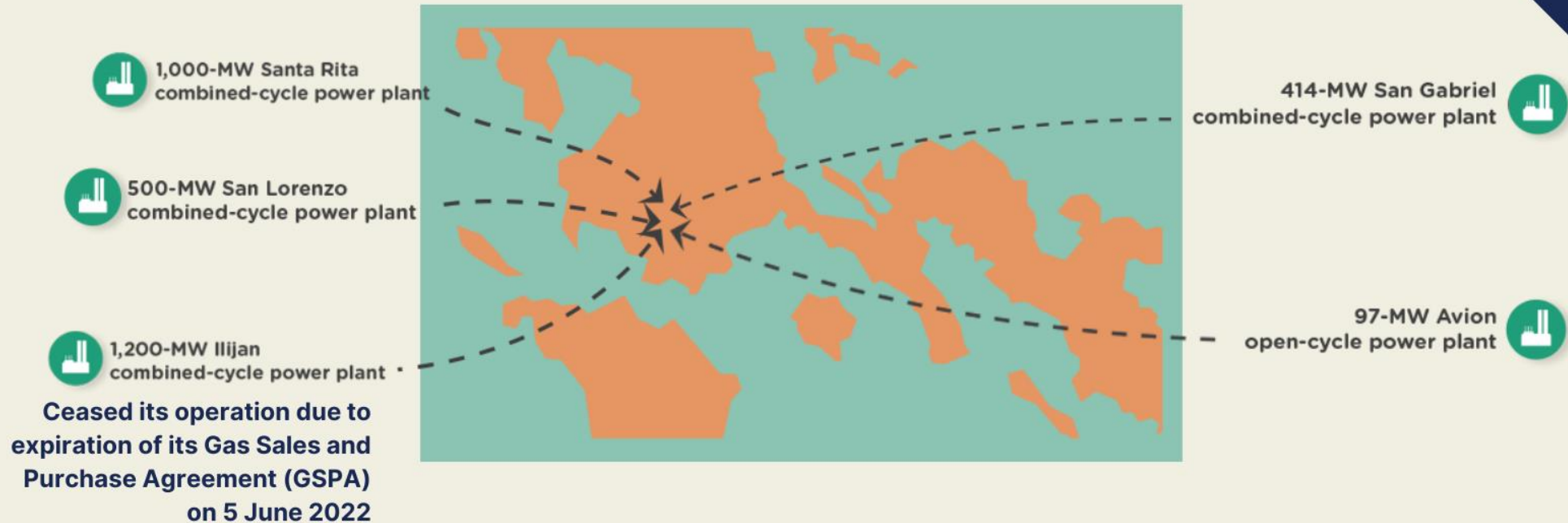


- Capacity : 3 MTPA
- Estimated COD: Apr 2026
- Anchor Market: TBD

II. Development Plans and Programs

C. Natural Gas-Fired Power Plants

EXISTING



II. Development Plans and Programs

D. Natural Gas-Fired Power Plants

COMMITTED POWER PROJECTS			Total: 3, 500 by 2027	
NAME OF THE PROJECT	NAME OF COMPANY	LOCATION	INSTALLED RATED CAPACITY	TARGET COMMERCIAL OPERATION
Batangas Combined Cycle PP Phase 1, Unit 1	Excellent Energy Resources Inc. (EERI)	Batangas	437.5 MW	Sep 2024
Batangas Combined Cycle PP Phase 1, Unit 2	EERI	Batangas	437.5 MW	Sep 2024
Batangas Combined Cycle PP Phase 1, Unit 3	EERI	Batangas	437.5 MW	Dec 2024
Natural Gas-Fired PP	Batangas Clean Energy, Inc.	Batangas	1,100 MW	Jan 2027
Energy World Corp 650 MW	Energy World Corp	Quezon	650 MW	TBD
Batangas Combined Cycle PP Phase 2	EERI	Batangas	437.50 MW	TBD



II. Development Plans and Programs

E. Natural Gas-Fired Power Plants

INDICATIVE POWER PROJECTS

Total: 7,748 MW by 2030

NAME OF THE PROJECT	NAME OF COMPANY	LOCATION	INSTALLED RATED CAPACITY	TARGET COMMERCIAL OPERATION
Combined Cycle Gas-Fired Turbine San Francisco Power Plant	Quezon Power (Phils) Limited Co.	Mauban, Quezon	1,200 MW	2026
VIRES Natural Gas Power Plant	Vires Energy	Batangas	450 MW	Mar 2026
Quezon Combined Cycle Power Plant	Orion Pacific Prime Energy Inc.	Tagkawayan, Quezon	1,200 MW	Dec 2026
Pagbilao 4 & 5 CCGT PP	Therma Subic, Inc.	Pagbilao, Quezon	1,310 MW	Nov 2028
GN Power Slsiman LNG CC PP	GN Power Ltd. Co.	Mariveles, Bataan	1,200 MW	Dec 2028
Santa Maria Natural Gas Fired CC	First Gen EcoPower Solutions Inc.	Batangas	1,260 MW	TBD
Combined Cycle Gas Fired PP	Global Luzon Energy Development Corporation	Luna, La Union	1,128 MW	2030





Thank you very much.



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