

Power



Masinloc Power Station Expansion Project

Under Construction

Project type	Coal-fired power plant
Location	Masinloc, Zambales
Output	315 MW x 3
Cost	US\$1.2 billion
Source of funds	Private
Proponent	SMC Global Power
Start of construction	March 2016 (Unit 3), TBA (Unit 4 and 5)
Status	Active
Start of operations	Jan 2021 (Unit 3), TBA (Unit 4 and 5)



Photo source: POWER Magazine

Developments

- **March 2022:** SMC Global Power has completed site development, and is finalizing the engineering, procurement and construction contract for Units 4 and 5.
- **January 2022:** MPP was recently granted a PAO by the ERC on Jan 10, 2022, for 1 year from Jan 11, 2022, to Jan 10, 2023.
- **June 2021:** SMC Global Power submitted RES license renewal application for MPPCL
- **February 2021:** SMC Global power announced development of another 315 MW unit that utilizes supercritical technology

Updated on July 2022

Project description:

This project involves construction of 3 x 315 MW units to increase existing capacity of Masinloc Power Station in Zambales, west coast of Luzon. The initial plan was to build two additional units but on February 2021, SMC Global Power announced it would construct another 315 MW unit with supercritical power technology.

The existing plant was built by GPH National Power Corporation in 1998. It was acquired by the US firm AES in 2008 and was sold to San Miguel Global Power in 2018.

San Buenaventura Power Plant

Operational

Project type	Coal-fired power plant
Location	Mauban, Quezon
Output	5 0 0 MW
Cost	PhP56 billion
Source of funds	Private
Proponent	San Buenaventura Power
Start of construction	2015
Status	Completed and operational
Start of operations	September 2019

Project description:

The San Buenaventura Power Plant is the second unit of the Quezon Power Station on the east coast of Luzon. It is the first supercritical coal-fired plant in the country.

San Buenaventura Power Ltd. Is a partnership between Meralco Power Gen and the EGCO Group of Thailand.



Photo source: ABS-CBN News

Developments

- *No available update as of latest posting.*
- **September 2019:** Project started commercial operation.

Updated on July 2022

Atimonan One Energy Power Plant

Under Development

Project type	Coal-fired power plant
Location	Atimonan, Quezon
Output	600 MW x 2
Cost	US\$3 billion
Source of funds	Private
Proponent	Atimonan One Energy
Start of construction	Pending
Status	Active
Start of operations	2025 (Units 1 & 2)

Project description:

This project, a 2x600 MW ultra critical coal fired power plant, has been delayed for years due to the invalidation of its PSA with Meralco and from the opposition of local environmental groups.



Photo source: powerphilippines.com

Developments

- **February 2022:** AOE plant has resumed development and is scheduled to begin commercial operation by June 2025.
- **July 2021:** Meralco has struggled to find financing for the project and has explored replacing it with an natural gas facility.
- **May 2021:** Atimonan One Energy announced cancellation of the project after failing to secure a PSA from ERC.

Updated on July 2022

Redondo Peninsula Energy Power Plant

Cancelled

Project type	Coal-fired power plant
Location	Subic, Zambales
Output	300 MW x 2
Cost	PhP50 billion
Source of funds	Private
Proponent	Redondo Peninsula (RP) Energy
Start of construction	
Status	Cancelled
Start of operations	

Project description:

The project was proposed as a two 300- MW circulating-fluidized bed coal-fired power plants on the Redondo Peninsula in Subic, Zambales.

RP Energy is a joint consortium between MeralcoPowerGen, Therma Power, and Taiwan Cogeneration International.



Photo source: First Gen Corporation

Developments

- *No available update as of latest posting.*
- **May 2021:** RP Energy announced cancellation of project due to site stability issues and after failing to secure PSA from ERC. RP Energy will consider converting project into an LNG venture.

Updated on July 2022

GNPower Dinginin Supercritical Coal-Fired Power Plant

Under Construction

Project type	Coal-fired power plant
Location	Mariveles, Bataan
Output	668 MW x 2
Cost	US\$1.7 billion
Source of funds	Private
Proponent	GNPower Dinginin
Start of construction	Sept. 2016 (Unit 1), May 2020 (Unit 2)
Status	Active
Start of operations	December 2021 (Unit 1), 3Q 2022 (Unit 2)



Photo source: AboitizPower

Project description:

This project is a joint venture between Aboitiz Power's ThermaPower, Ayala-owned AC Power, and Naurian-American Power Partners Ltd.

It will generate an additional 1,336 MW to the existing GN Power 600 MW coal-fired plant in Mariveles.

Developments

- **December 2021:** The ERC cleared GNDP to operate and contribute an additional 668 MW to supply the power grid from its first unit.
- **September 2021:** Commercial operations for GNDP Unit 2 are expected to begin in the Q3 of 2022.
- **January 2021:** Construction and testing and commissioning for both units face delays due to the pandemic.

Updated on July 2022

Mindanao-Visayas Interconnection

Under Construction

Project type	Power grid connection
Location	Cebu and Lanao del Norte
Capacity	450 MW
Cost	PhP 52 billion
Source of funds	Private
Proponent	National Grid Corporation of the Philippines (NGCP)
Start of construction	2018
Status	Active
Start of operations	End of 2022

Project description:

This project will connect the Visayas and Mindanao power grids as part of the long-standing plan for a unified Philippine grid to allow Mindanao to participate in the Wholesale Electricity Spot Market.

Considered the biggest power infrastructure project in the country, it involves the installation of 184 circuit-kilometers of submarine cables and 422 circuit-kilometers of overhead wires to connect the Lala Converter Station, Lanao del Norte to Dumanjug Converter Station, Cebu



Photo source: NGCP

Developments

- **July 2022:** The construction of cable terminal stations in Santander, Cebu and Dapitan, Zamboanga, the installation of power cables, and the installation of two 92-kilometer fiber optic cables are complete.
- **February 2022:** Operations are expected to start in June, 2022. The power grids will be partially energized in March.
- **August 2021:** ROW acquisition remains to be the biggest hurdle in completing the project.
- **April 2021:** The Vis-Min interconnection project now 50% complete.
- **February 2021:** The linking of the Mindanao and Visayas power grids suffered a setback after portions of the underwater cable between Cebu and Zamboanga del Norte were damaged.

Updated on July 2022

GNPower Kauswagan

Under Construction

Project type	Coal-fired power plant
Location	Kauswagan, Lanao del Norte
Output	135 MW x 4
Cost	US\$2.5 billion
Source of funds	Private
Proponent	GNPower Kauswagan
Start of construction	2015
Status	Active
Start of operations	Dec. 2019 (Unit 1,2,3), 2021 (Unit 4)



Photo source: GNPower

Developments

- **July 2021:** GNPower successfully developed GNPower Kauswagan Ltd. Co.
- **March 2021:** AC Energy signed the divestment agreement with Power Partners Ltd.

Project description:

This facility is a four-unit coal-fired power plant located in Lanao del Norte, Mindanao. It will be a baseload plant to support power demand throughout Mindanao.

GNPower Kauswagan is a subsidiary of AC Energy in partnership with the Philippine Investment Alliance for Infrastructure Fund and Power Partners. In March 2021, AC Energy divested all of its ownership interests to Power Partners Ltd.

Updated on July 2022

EWC Pagbilao LNG Terminal

Under Construction

Project type	LNG hub terminal
Location	Pagbilao Grande Island, Quezon
Capacity	3 MTPA
Cost	US\$900 million
Source of funds	Private
Proponent	Energy World Corporation (EWC)
Start of construction	March 2019
Status	Active
Start of operations	2022-2023

Project description:

Australian firm EWC is developing the country's first LNG hub terminal. The facility will support an adjacent 650 MW combined cycle gas-fired power plant.

EWC has been developing the import terminal and power plant since 2011. Construction was held back by several delays including the completion of a tie-in connection of the Tayabas-Naga transmission of NGCP and movement and supply restrictions caused by the pandemic.



Photo source: EWC

Developments

- **May 2022:** EWC plant is 95% complete. The only thing missing for the commissioning of the plant is a transmission grid.
- **April 2021:** EWC is raising AU\$65 million through a fully underwritten non-renounceable one-for 2.21 entitlement offer, which will be used for the completion of Pagbilao LNG plant's transmission facilities. Project expected to be operational by 2022 or early 2023.

Updated on July 2022

FirstGen LNG Terminal

Under Construction

Project type	LNG hub terminal
Location	Batangas City, Batangas
Capacity	5 MTPA
Cost	US\$1 billion
Source of funds	Private
Proponents	FGEN LNG and Tokyo Gas
Start of construction	March 2021
Status	Active
Start of operations	3Q 2023

Project description:

This project is a partnership between FGEN LNG, a wholly-owned subsidiary of First Gen Corporation, and Tokyo Gas Co. Ltd. The targeted market is First Gen's existing gas-fired plants in Batangas: Santa Rita (1,000MW), San Lorenzo (500MW), San Gabriel (414MW), and Avion (97MW) plants. The current fuel source for these plants is the offshore Malampaya gas field, expected to end production in the current decade.



Photo source: First Gen

Developments

- **June 2022:** First Gen Corp. requested for an extension to March 23, 2023 for the validity of its permit to construct, expand, rehabilitate and modify the proposed facility.
- **May 2022:** First Gen Corp. is conducting a tender to secure LNG supply for its interim offshore LNG terminal in Batangas, which is set to be completed in the 4th quarter.
- **January 2021:** EPG contract awarded to McConnell Dowell Philippines. Construction to begin in March.

Updated on July 2022

Tanglawan LNG Terminal

Cancelled

Project type	LNG hub terminal
Location	Bauan, Batangas
Capacity	2.2 MTPA
Cost	US\$2 billion
Source of funds	Private
Proponents	Tanglawan Philippine LNG
Start of construction	
Status	Cancelled
Start of operations	

Project description:

Proposed facility will be an onshore LNG receiving and regasification terminal integrated with a future 1,000 MW power plant.

Tanglawan Philippine LNG is a joint venture between Phoenix Petroleum Philippines and China National Offshore Oil Corporation (CNOOC).

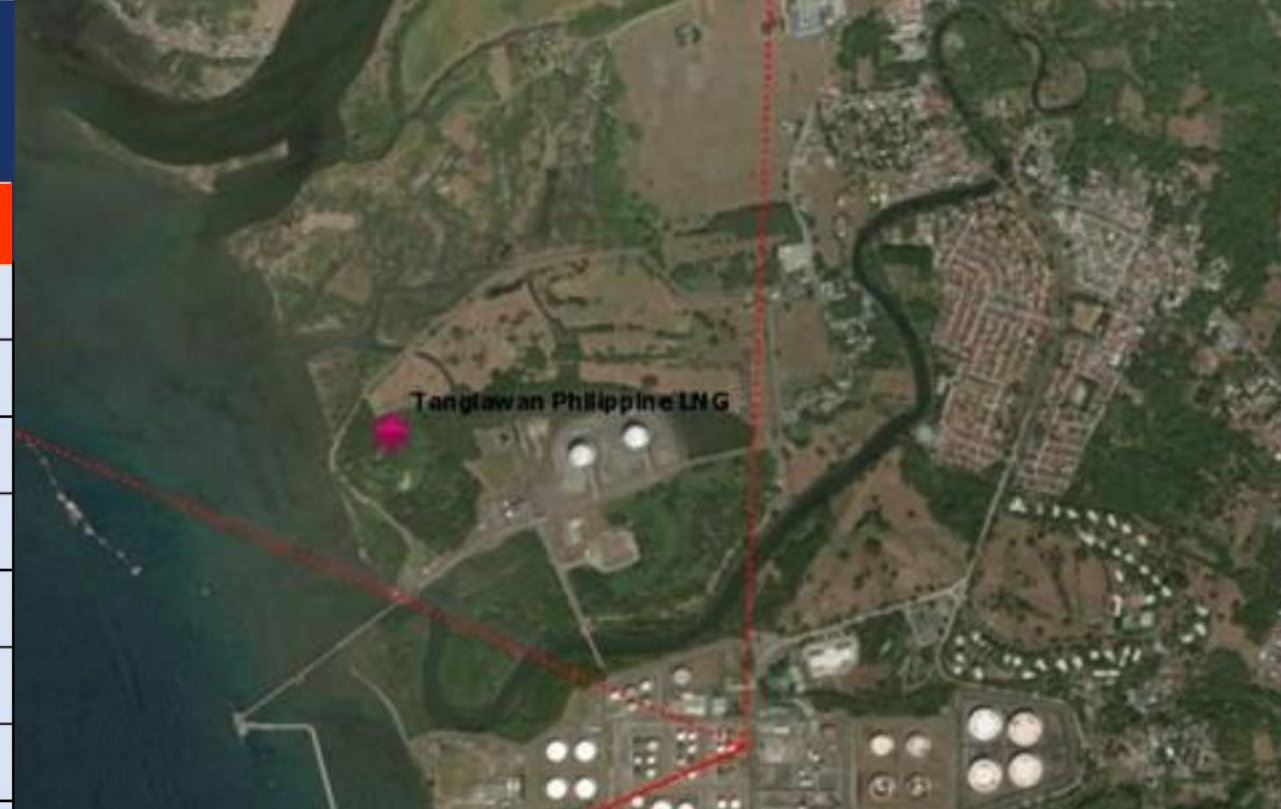


Photo source: LNG World News

Developments

- **January 2021:** The DOE was forced to cancel Tanglawan's NTP, saying it essentially withdrew its plans due to financial constraints and other difficulties regarding its project proposal.
- **December 2019:** Project applied for a temporary suspension of its permit to proceed, following Udenna Corporation's (a parent firm of Phoenix Petroleum) acquisition of Chevron Malampaya LLC's 45% stake at the Malampaya gas-to-power project consortium. Phoenix and CNOOC will submit a new concept for the project to planned LNG terminal and Malampaya project.

Updated on July 2022

Excelerate Energy LNG Terminal

Under Construction

Project type	LNG hub terminal
Location	Batangas
Capacity	1.5 MTPA
Cost	US\$200 million
Source of funds	Private
Proponents	Excelerate Energy LP
Start of construction	Pending
Status	Active
Start of operations	Q3 of 2022

Project description:

Proposed facility is the fourth LNG project application to be issued an NTP permit by DOE. Unlike other proposals for land-based facilities, Excelerate will build a floating storage regasification unit which will be easier and faster to bring into commercial operation. The market being targeted is the Ilijan gas-fired plant in Batangas, as well as a prospective expansion of Ilijan.

Excelerate Energy is a Texas-based pioneer and market leader in innovative floating LNG solutions.



Photo source: Excelerate Energy

Developments

- **May 2022:** Excelerate is scouting for power supply agreements for proposed anchor power plant projects. This may include plans of joining the competitive selection process of Manila Electric Company.
- **August 2021:** DOE is evaluating Excelerate's Permit to Construct application, while the company is securing the necessary permits from other concerned government agencies and financial closing prior to construction.
- **April 2021:** Excelerate Energy submits request for permit to construct, expand, rehabilitate, and modify project to DOE.

Updated on July 2022

GigaSol Alaminos

Completed

Project type	Solar power farm
Location	Alaminos, Laguna
Capacity	120 MW
Cost	PhP3 billion
Source of funds	Private
Proponents	AC Energy
Start of construction	December 2020
Status	Completed and Operational
Start of operations	June 2021

Project description:

This solar power farm exports energy to the Luzon grid and can power 80,000 homes while avoiding 111,000 metric tons of carbon dioxide equivalent of greenhouse gases. It is the second largest largest solar power farm in the country.



Photo source: AC Energy

Developments

- **June 2021:** Start of operations.
- **December 2020:** Start of construction.

Updated on July 2022