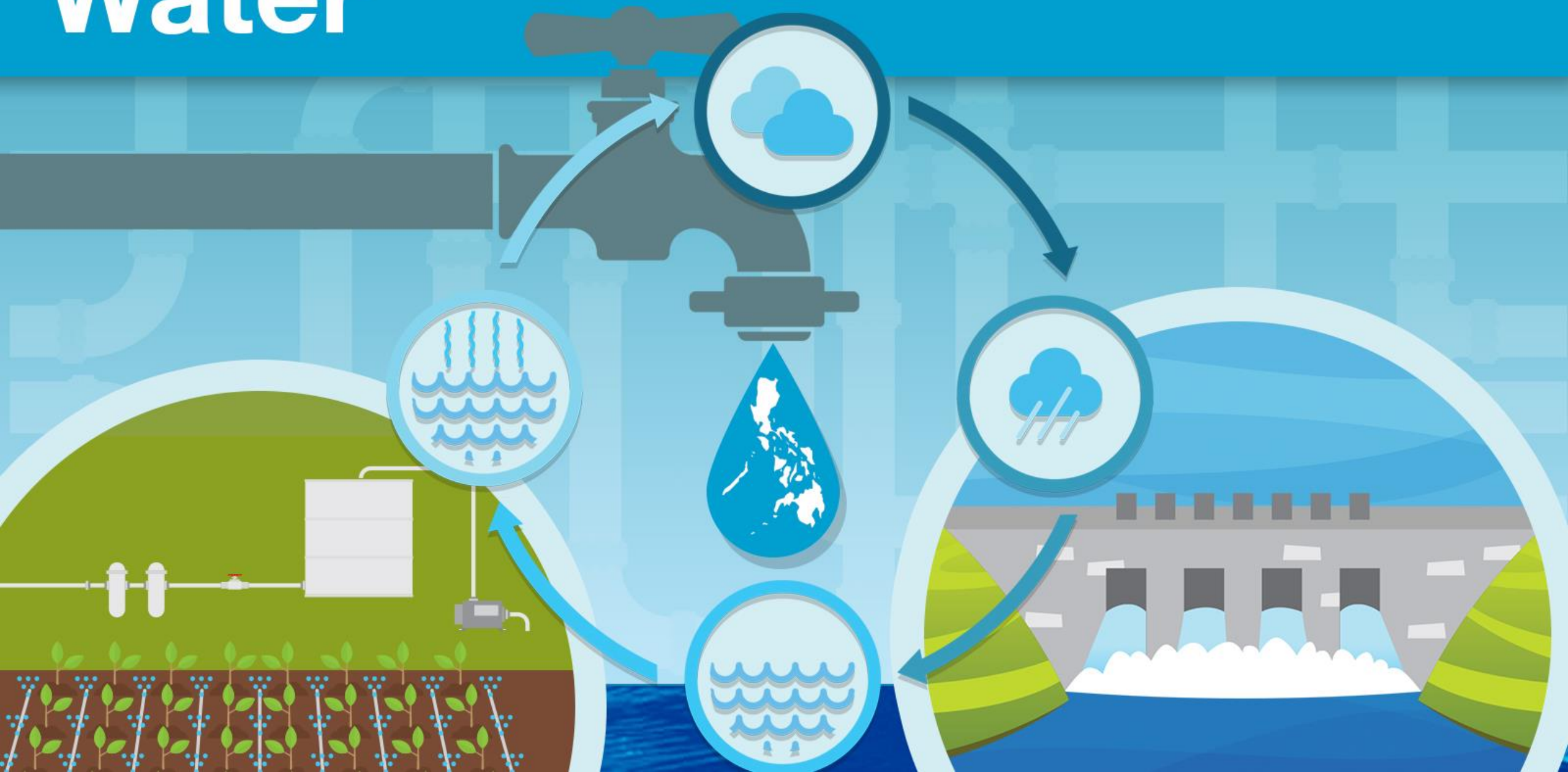


Water



Chico (Cagayan) River Pump Irrigation Project



Under construction

New irrigation facility

Project type	Water
Location	Cordillera Administrative Region
Cost	PhP4 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Construction started	September 2018
Status	Active
Target completion	End of 2022

Photo source: Chinese Embassy Manila

Project description:

This project covers the installation of electric motor-driven pumps and construction of pumping stations and irrigation canals. It will irrigate around 8,700 hectares, benefitting 4,350 farmers in 21 barangays in Cagayan and Kalinga provinces.

Developments

- **July 2022:** The CRPIP in Kalinga was launched by the NIA. With its partial operation, CRPIP will irrigate 1,000 hectares of agricultural land covering Pinukpuk, Kalinga and the barangays of San Luis, Malumin, Malalinta, Bikok, and Angang in Tuao, Cagayan.
- **June 2022:** The NIA and Chinese officials formally inaugurated the Irrigation Project on June 25.
- **July 2021:** Project is 47% completed.

Ilocos Norte - Ilocos Sur - Abra Irrigation Project

Under development

New dam and irrigation facilities

Project type	Water
Location	Region I – Ilocos Region
Cost	PhP28 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

The project involves the construction of a 126-meter high storage dam across the Palsiguan River in Lagayan, Abra. This project will directly benefit farmers of Nueva Era, Batac and San Nicolas in Ilocos Norte and Sinit in Ilocos Sur. Because of its high reservoir, the dam can also generate power for the province of Abra.



Photo source: National Irrigation Administration

Developments

- **June 2022:** NIA may open the project to public-private partnerships.
- **May 2022:** The Sectoral Committee on Watershed and Environmental Management of the Regional Development Council is fast tracking the result of the feasibility study on the Irrigation Project.
- **June 2021:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.

Gregorio del Pilar (Ilocos Sur) Impounding Project

Under development

New dam and irrigation facilities

Project type	Water
Location	Region I – Ilocos Region
Cost	PhP3 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

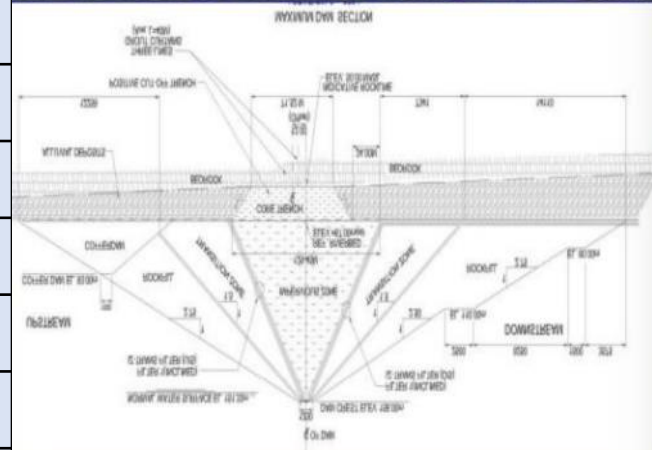


Photo source: National Irrigation Administration

Developments

- **July 2022:** NIA Regional Office 1 seeks approval for project from the RDC as a requirement for possible funding and implementation.
- **June 2021:** Pending NEDA-ICC and NEDA Board approval.

Project description:
The project involves the construction of an overflow type diversion dam across Abra River and a 13.2 km long transbasin tunnel to augment the water requirements of irrigation service areas in the municipalities of Sta. Maria, Burgos, Sta. Lucia, and Candon in Ilocos Sur. The project's total service area is 5,000 hectares.

Tumauini (Isabela) River Multipurpose Project

Canceled

New dam and irrigation facilities

Project type	Water
Location	Region II – Cagayan Valley
Cost	PhP4 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending



Photo source: National Irrigation Administration

Developments

- *No recent updates as of writing.*
- **June 2021:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.

Project description:

The project involves the construction of an 81 meter dam across the Tumauini River in Barangay Antagan, Tumauini, Isabela. It will increase production of 8,200 hectares irrigable lands and will benefit around 6,000 farmers in 32 barangays.

Updated on July 2022

Candaba (Pampanga) Multi-purpose Impounding Dam Project

Under development

New dam

Project type	Water
Location	Region III – Central Luzon
Cost	PhP2 billion
Source of funds	GAA
Proponent	MWSS
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

The proposed dam will produce 500 million liters per day of potable water to Bulacan, Pampanga, and Tarlac.

This project is part of the MWSS “ABC” (Angat, Bayabas, Candaba) project, a new roadmap for alternative sources of water for Metro Manila.



Photo source: MWSS

Developments

- *No recent update as of writing.*
- **June 2021:** Under MWSS evaluation.

Updated on July 2022

Bayabas (Bulacan) Small Reservoir Irrigation Project

Under Construction

New dam

Project type	Water
Location	Region III – Central Luzon
Cost	PhP5 billion
Source of funds	GAA
Proponent	MWSS
Target construction	Pending
Status	Active
Target completion	Pending

Project description:

The proposed dam will produce 250 million liters of water per day for the province of Bulacan.

This project is part of the MWSS “ABC” (Angat, Bayabas, Candaba) project, a new roadmap for alternative sources of water for Metro Manila.



Photo source: MWSS

Developments

- **February 2022:** NIA Administrator Ricardo Visaya said that they are fast tracking the construction of the dam.
- **September 2021:** NIA BANE IMO conducted an orientation meeting for the project to identify the landowners for the Right of Way of the project and to disseminate and gather information about the area that will be submerged. Construction is on-going.
- **June 2021:** Under MWSS evaluation.

Updated on July 2022

Angat (Bulacan) Water Transmission Improvement Project

Completed

Expansion

Project type **Water**

Location **Region III – Central Luzon**

Cost **PhP3 billion**

Source of funds **ADB**

Proponent **MWSS**

Construction started **October 2016**

Status **Completed and operational**

Target completion **July 2020**

Project description:

The construction of new Tunnel No. 4 (4.00 meters diameter x 6.40 kilometers length) from Ipo to Bigte.



Photo source: MWSS

Developments

- *No recent updates as of writing.*
- **July 2020:** Start of operations (three months ahead of schedule).

Updated on

July 2022

Ipo (Bulacan) Dam No. 3

Under development

New dam

Project type	Water
Location	Region III – Central Luzon
Cost	Pending
Source of funds	ODA-China
Proponent	MWSS
Target construction	Pending
Status	Active
Target completion	Pending



Photo source: MWSS

Project description:

The construction of a new impounding dam for 40 million cubic meters of water that could be used to augment water supply for Metro Manila.

Developments

- **December 2021:** On-going evaluation on the viability of the project as a potential water source for North Concession (Bulacan Bulk Water)
- **April 2021:** NEDA Certificate of Completion/Acceptance was given.
- **January 2021:** Feasibility study concluded and submitted to MWSS and NEDA.

Updated on July 2022

Bulacan Bulk Water Supply Project

Under construction

New treatment plant

Project type	Water
Location	Region III – Central Luzon
Cost	PhP24 billion
Source of funds	PPP, solicited
Proponent	San Miguel Corporation and Korea Water Resources (30-year concession)
Construction started	2017 (Stage 1,2)/2022 (Stage 3)
Status	Active
Target completion	Q3 2023

Project description:

The project will provide treated bulk water to 24 water districts in Bulacan province.



Photo source: Public-Private Partnership Center

Developments

- **December 2021:** A1 DED plan for Stage 3(a)1 signed on Dec 21.
- **November 2021:** MWSS announced that LCWD will impose a P0.35 centavos per cubic meter increase in the BWC to its partner WDs and WSP.
- **September 2021:** MWSS approved the business plan for the third stage of the project.

Updated on July 2022

Aqueduct No. 4 (Novaliches-Balara)



Completed	
Expansion	
Project type	Water
Location	National Capital Region
Cost	Php 5.3 billion
Source of funds	Manila Water
Proponent	MWSS
Construction started	December 2019
Status	Active
Target completion	2022



Photo Source: Manila Water

Project description:

The Novaliches-Balara Aqueduct 4 Project entails the construction of a fourth aqueduct from the La Mesa Reservoir to the Balara Treatment Plants (BTP) 1 and 2 to improve the reliability and security of the raw water transmission system.

The project is composed of a new intake facility at La Mesa, an underground aqueduct, and an outlet facility at BTP.

Developments
<ul style="list-style-type: none"> July 2022: The NBAQ4 Project has recently been completed. On its testing stage, the new aqueduct is being filled to prepare for the start of its operation this August 2022. October 2021: The NBAQ4 project completed its tunnelling work. Manila Water Company announced that the TVM has broken through at the La Mesa reservoir

Updated on July 2022

Wawa Bulk Water Supply Project

Under Construction

Rehabilitation and expansion

Project type	Water
Location	Region IV-A – CALABARZON
Cost	PhP24 billion
Source of funds	Private, unsolicited
Proponent	WawaJVCO
Target construction	2021
Status	Inactive
Target completion	2025

Project description:

The Construction of 92 meter dam in Montalban, Rizal that will deliver 500 million liters per day to support Angat Dam, currently the sole source of water for Metro Manila.

WawaJVCO is a joint venture between Prime Infra and San Lorenzo Ruiz Builders Group.

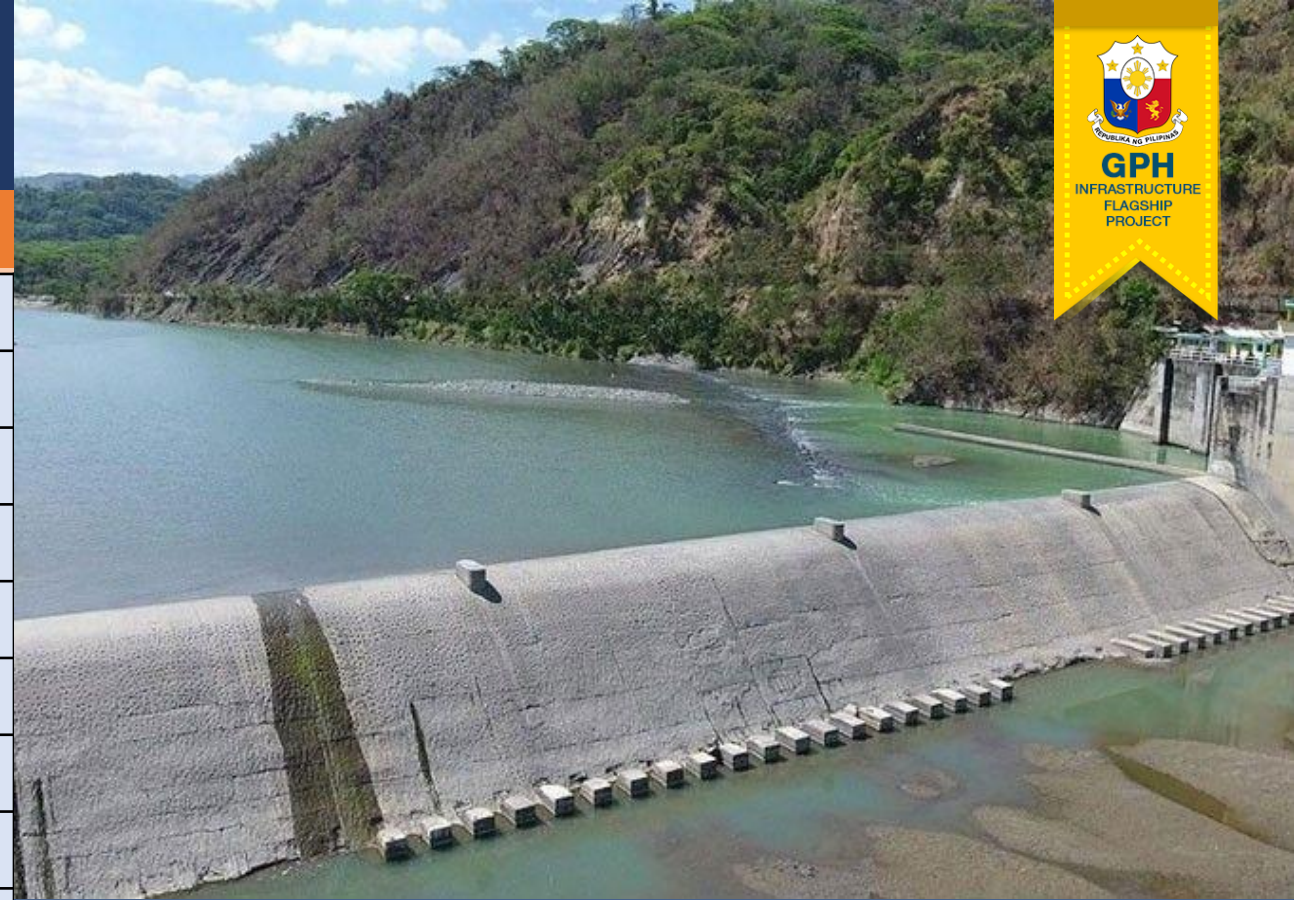


Photo source: Inquirer.net

Developments

- **July 2022:** WawaJVCo completed works on Phase 1 of the project. Works on phase 2 is scheduled to be completed in 2025.
- **December 2021:** Consensus building with Montalban IP's completed
- **November 2021:** Phase 2 Upper Wawa Dam: FPIC: Consensus building with Antipolo IP's completed

Updated on

July 2022

New Centennial Water Source- Laiban Dam Project

Under construction

New dam

Project type	Water
Location	Region IV A – CALABARZON
Cost	PhP12 billion
Source of funds	ODA-China
Proponent	MWSS
Target construction	2022
Status	Active
Target completion	August 2026

Project description:

The project involves construction of a 60 meter high dam and a 27 kilometer conveyance tunnel.

It is expected to supply an additional 600 million liters of water per day for the residents of Metro Manila.

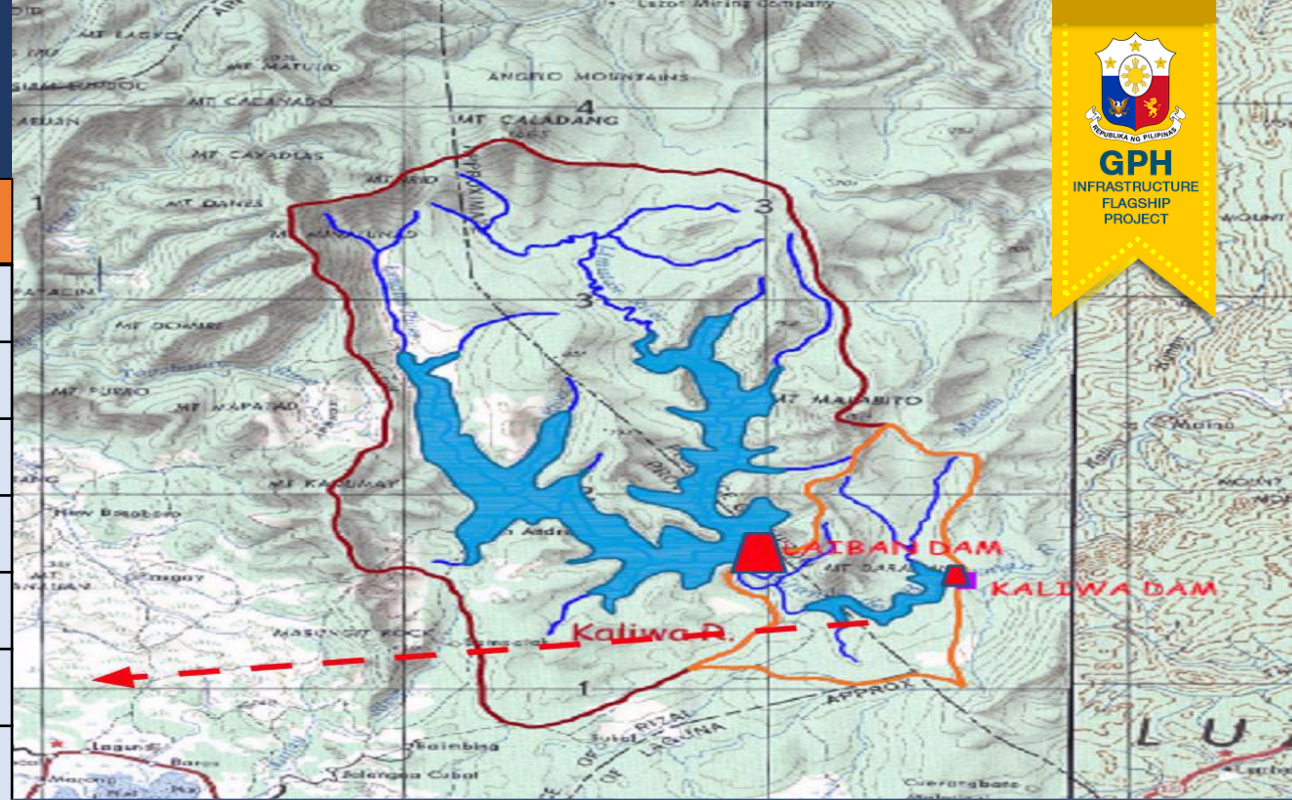


Photo source: MWSS

Developments

- **February 2022:** Construction eyed to start in June of 2022, with a target completion date of August 2026.
- **October 2021:** Actual construction of the dam may have to wait until 2022 because of delays in meeting some conditions, including consent from affected IPs.

Metro Manila Flood Management Project

Phase I: Under construction

Rehabilitation and expansion

Project type	Water
Location	National Capital Region
Cost	US\$500 million
Source of funds	GAA, World Bank, Asian Infrastructure Investment Bank
Proponent	MMDA
Construction started	2018
Status	Active
Target completion	2023

Project description:

The project involves construction of 20 new pumping stations and the modernization of 36 existing pumping stations around Metro Manila to improve flood and solid waste management. Once completed, the project will benefit 1.7 million residents living in almost 5,000 hectares of currently flood-prone areas.

This is the first project in the country co-financed by the Beijing-based AIIB.



Photo source: Inquirer.net

Developments

- **March 2022:** World Bank representatives joined an inspection of ongoing activities under the MMFMP, where they were shown the use of solid waste granulator and brickmaking
- **March 2022:** An MMDA official said that the first phase of the project is “on the right track”. It is expected to be finished in 2023.
- **May 2021:** Delays in construction due to quarantine restrictions

Updated on July 2022

Pasig-Marikina River Channel Improvement Project, Phase III

Phase III: Completed

Rehabilitation and expansion

Project type	Water
Location	National Capital Region
Cost	PhP7 billion
Source of funds	JICA
Proponent	DPWH
Construction started	September 2010
Status	Completed and operational
Date of completion	April 2018

Project description:

This project mitigates flood damage in Metro Manila caused by overflow of the Pasig-Marikina River. Phase III involves channel improvement works in Lower Marikina River including the remaining portions in Pasig River in Delpan Bridge to the immediate vicinity of Mangahan Floodway.



Photo source: DPWH

Developments

- *No recent updates as of writing.*
- **April 2018:** Inauguration and start of operations.

Pasig-Marikina River Channel Improvement Project, Phase IV

Phase IV: Under construction

Rehabilitation and expansion

Project type	Water
Location	National Capital Region
Cost	PhP33 billion
Source of funds	JICA
Proponent	DPWH
Target construction	2019
Status	Active
Target completion	2023

Project description:

The project will cover channel improvement works for middle Marikina River from the downstream of Manggahan Floodway to Marikina Bridge in Sto. Nino. It also includes construction of two floodgates at the joining sections of Cainta and Taytay rivers to Manggahan Floodway.



Photo source: DPWH

Developments

- **March 2022:** DENR and TF BBB Chair Jim Sampulna handed over the project to the DPWH to ensure its continuity even after President Duterte's administration
- **November 2021:** DPWH, in partnership with the Japan International Cooperation Agency, begins final phase civil works of the project.
- **May 2021:** Construction activities on-going but delayed due to pandemic restrictions.

Updated on July 2022

Paranaque Spillway Project

Under development

New spillway

Project type	Water
Location	National Capital Region
Cost	PhP67 billion
Source of funds	JICA
Proponent	DPWH
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

The project, first proposed in 1977, involves construction of a 9.2 kilometer spillway with a 10 meter diameter tunnel that allows overflow from Laguna Lake to flow directly to Manila Bay instead of flooding lakeshore towns of Laguna and Rizal provinces and Metro Manila.

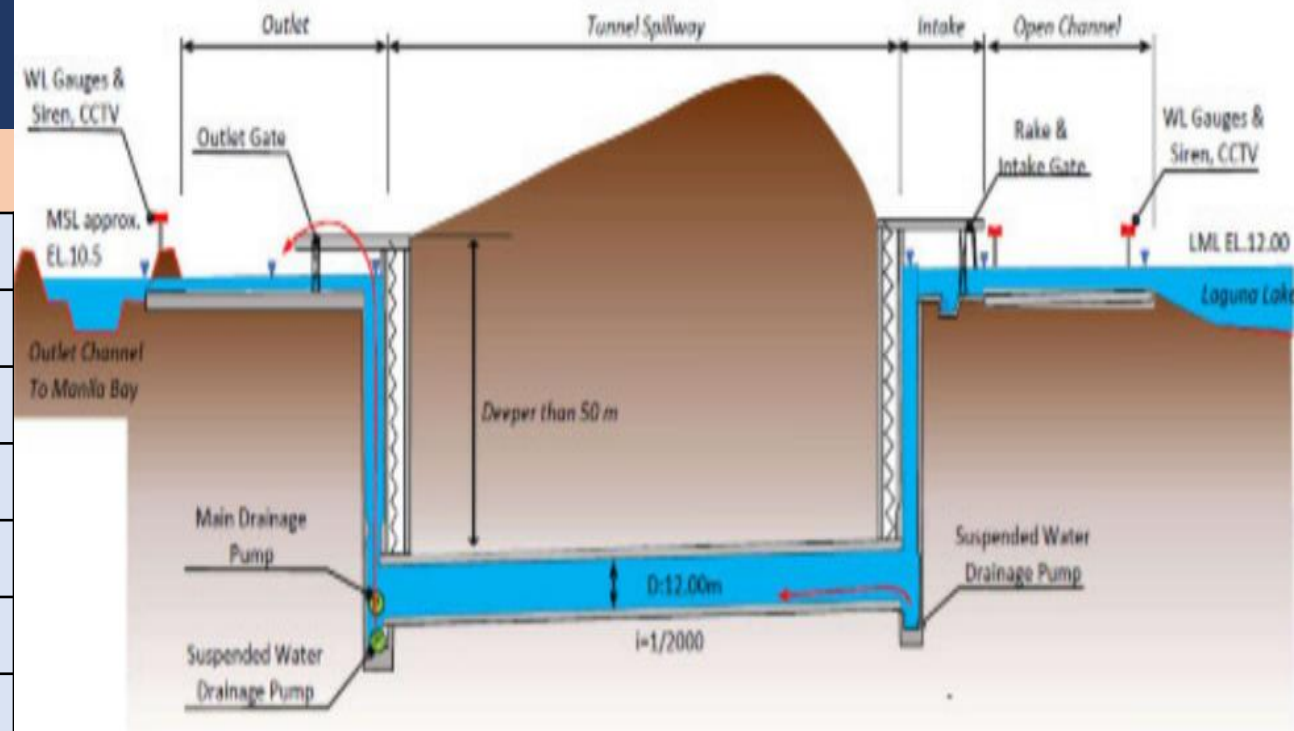


Figure 4.2 Schematic View of Parañaque Spillway

Photo source: JICA

Developments

- **July 2022:** The Muntinlupa City Council conducted a public hearing with DPWH on the Parañaque Spillway Project. Based on the project description, the entire project will be constructed in 124 months or 10.3 years
- **November 2020:** Feasibility study with assistance from JICA is still being conducted. It is expected to be finished mid-2021.

Updated on

July 2022

Rehabilitation of Umiray-Angat Transbasin Facilities

Under construction

Rehabilitation and expansion

Project type	Water
Location	Region IV-A – CALABARZON
Cost	PhP800 million
Source of funds	Manila Water and Maynilad
Proponent	Manila Water and Maynilad
Construction started	April 2016
Status	Active
Target completion	2021

Project description:

The project involves the rehabilitation and strengthening of existing tunnel structures/facilities to withstand typhoons in order to ensure continuous flow of raw water from the Umiray River to the Angat Reservoir. It is being implemented and funded by Manila Water and Maynilad.



Photo source: MWSS

Developments

- **December 2021:** The construction of the project is 85.446% completed.
- **June 2021:** Construction progress at 79%

Updated on | July 2022

Sumag River Diversion Project

Under development

Expansion

Project type **Water**

Location **Region IV-A – CALABARZON**

Cost **PhP700 million**

Source of funds **Manila Water and Maynilad**

Proponent **Manila Water and Maynilad**

Construction started **April 2014**

Status **Inactive**

Target completion **July 2022**

Project description:

Construction of a diversion tunnel to supplement the water coming from Umiray River going to the Angat Reservoir. This project is being implemented and funded by Manila Water and Maynilad.



Photo source: MWSS

Developments

- *No recent updates as of writing.*
- **September 2020:** project restarts construction after 4 years.

Updated on July 2022

Bohol Northeast Basin Multipurpose Project

Cancelled

New dam and irrigation facilities

Project type	Water
Location	Region VII – Central Visayas
Cost	PhP4 billion
Source of funds	GAA
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

The project involves the construction of two multipurpose storage dams, five diversion dams, trans basin tunnel, hydroelectric power plant, and irrigation and drainage facilities.



Photo source: National Irrigation Administration

Developments

- *No recent updates as of writing.*
- **June 2021:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.

Updated on July 2022

Jalaur River Multi-Purpose Project Stage II

Under construction



New dam and irrigation facilities

Project type	Water
Location	Region VI – Western Visayas
Cost	PhP11 billion
Source of funds	Korea Eximbank, GAA
Proponent	National Irrigation Administration
Target construction	April 2019
Status	Active
Target completion	2024

Photo source: National Irrigation Administration

Developments

- **April 2022:** Senator Franklin Drilon said that the project is almost halfway completed, at 48.37% as of March 2022.
- **May 2021:** The project is on schedule for completion by 2024 despite the COVID-19 pandemic and a two-week work stoppage due to an outbreak among workers and consultants.
- **June 2021:** The construction of the project has started this June, 2021.

Project description:

The project involves construction of three dams (reservoir, afterbay, and catch dams), a 6.6-megawatt hydropower plant, and an 81-kilometer high-line canal in Calinog, Iloilo. It is the largest dam project outside Luzon. It is expected to produce 86,000 cubic meters of water per day.

The project is implemented under a \$203-loan agreement with the ROKG through the Korea Eximbank and a counterpart fund from the GPH of P2.2 billion.

Updated on July 2022

Panay (Iloilo) River Basin Integrated Development Project

Under development

New dam

Project type	Water
Location	Region VI – Western Visayas
Cost	PhP 19.3 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

The project involves the construction of a high reservoir dam to store water potential of Panay River located in Tapaz, Capiz.



Photo source: National Irrigation Administration

Developments

- **June 2022:** NIA may open the project to public-private partnerships (PPPs)
- **May 2022:** The full council meeting has passed Resolution No. 9 re-endorsing Resolution No. 1 passed in 2018 calling for the fast-tracking of the project.
- **February 2022:** A multipartite team was created for monitoring the implementation of the project in Capiz province.

Updated on July 2022

Malitubog-Maridagao (North Cotabato) Irrigation Project, Phase II

Under construction

New irrigation facility

Project type	Water
Location	Autonomous Region in Muslim Mindanao
Cost	PhP5 billion
Source of funds	GAA
Proponent	National Irrigation Administration
Construction started	2018
Status	Active
Target completion	2022

Project description:

The proposed irrigation facility will divert water from Maridagao River to around 10,000 hectares of agricultural lands.



Photo source: National Irrigation Administration

Developments

- **July 2022:** NIA inaugurated and conducted the partial turnover of the project to NIA Region XII.
- **June 2022:** The project is 85% completed.
- **June 2021:** Project facing delays due to quarantine restrictions.

Updated on

July 2022

New Water Infrastructure Projects

(As of July 2022)

PROJECT NAME	PROPONENT	DESCRIPTION OF TYPE OF POWER
<u>Angat (Bulacan) Water Transmission Improvement Project – Tunnel No. 5</u>	MWSS	Expansion
<u>National Irrigation Sector Rehabilitation and Improvement Project (NISRIP)</u>	JICA and NIA	Irrigation
<u>Balog-Balog Multipurpose Project Phase II, Tarlac</u>	NIA	Multipurpose Project
Lower Agno River Irrigation System Improvement Project, Pangasinan	NIA	Irrigation
<u>Water District Development Sector Projects (ADB-WDDSP)</u>	LWUA	Sanitation

Source: National Economic and Development Authority, Infrastructure Flagship Projects