

**MWSS' PROJECTS FOR 2018 and Beyond:**

No.	Program/Project Title	Description	Outputs	Outcomes	Project Beneficiaries	Total Project Cost (PhP M)	Plans for 2018	Status / Remarks (as of 31 Dec 2018)
1	Angat Water Transmission Improvement Project (AWTIP)	Investigation and rehabilitation of raw water transmission system from Ipo dam to La Mesa Dam, with the construction of new Tunnel No. 4 (4.00 meters diameter x 6.40 kilometers length) as the priority work in order to facilitate the rehabilitation of the whole transmission system. Project Location: Norzagaray, Bulacan	New Tunnel No. 4 of 6.40 kilometers length (4m diameter) that will supply 19cms of raw water	Improved flow and flexibility in the transmission which will enable the full rehabilitation of the whole raw water transmission system	Metro Manila and the entire MWSS service area	3,290.00	Continue construction works	84.49% actual accomplishment
2	Bulacan Bulk Water Supply Project (BBWSP)	Supply of treated bulk water to the entire Province of Bulacan through its water districts. Project Location: Province of Bulacan	475 million liters per day of treated bulk water	It will address the water supply requirements of the Province of Bulacan.	Province of Bulacan	16,320.00	Continue construction works	96.23% actual accomplishment
3	New Centennial Water Source - Kaliwa Dam Project (NCWS-KDP)	Development of a new water source in order to meet the increasing water demand by constructing a redundant dam for Metro Manila's domestic water supply  Project Location: Brgy. Pagsangahan, General Nakar, Quezon	Additional volume of raw water in the amount of 600 million liters per day (600mld) once completed.	It will address the imminent deficit in water supply due to increased water demand	MWSS service area particularly in the east and south service area	12,200.00	Award of Contract to the winning Bidder	Notice Of Award (NOA) was issued on 11 Dec 2018 to China Energy Engineering Corporation Limited (CEEC)
4	Rehabilitation, Operation and Maintenance of MWSS-owned Auxiliary Turbines 4 & 5 (AN-4 & 5) of the Angat Hydro-Electric Power Plant (AHEPP)	The project involves the opportunity to optimize the benefit from the MWSS-owned Auxiliary Turbines 4 & 5 (AN-4 & AN-5) by developing the hydropower generation component, a "by-product" of the raw water flowing through the turbines. Project Location: Norzagaray, Bulacan	28 megawatts of hydropower generation with an estimated annual electricity production of 145.70 GWH.	Extended economic life of the auxiliary turbines by another 30 years as well as increased energy output and load capacity	Water supply security for the entire MWSS service area; and additional power for the Luzon Grid	1,509.00	For NEDA approval of its continued viability	The updated Project Cost was submitted to NEDA on April 2018 for ICC evaluation and NEDA Board approval;
5	Sumag River Diversion Project (SRDP)	This involves the tapping of the Sumag River which was originally part of the Umiray-Angat Transbasin Tunnel Project  Proj. Location: Umiray, General Nakar, Quezon	600 meters length of tunnel (2.50m diameter) that will provide an additional raw water supply of 188 mld (million liters per day).	it will increase the volume of raw water coming from the Umiray River going to the Angat Reservoir.	Water supply source for BBWSP	774.00	Acquisition of required quarry permit and resumption of contract works	Acquisition of required quarry permit is in progress.
6	Rehabilitation of Umiray-Angat Transbasin Tunnel structures/facilities (UAT Rehab)	Rehabilitation and strengthening of existing tunnel structures/facilities to withstand future typhoons in order to ensure the continuous flow of raw water from the Umiray River to the Proj. Location: Umiray, General Nakar, Quezon	Additional structures that will strengthen the existing system in order to withstand future typhoons and to ensure the	It will mitigate the risk of water shortage, and secure the supply of raw water coming from the Umiray River	Water supply security for the entire MWSS service area;	374.00	Acquisition of required construction permit and resumption of contract works	The Project resumed on January 2018, and is now 62.40% actual accomplishment

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<b>NEW PROJECTS:</b>								
1	Aqueduct No. 7 Project	Detailed Engineering Design (DED) and Construction of new Aqueduct No. 7  Proj. Location: Norzagaray, Bulacan	3.60 meters x 15 kilometers new Aqueduct that will convey 1,700 mld of raw water. (this will replace the existing old aqueducts 1 & 2)	It will serve as additional transmission for additional allocation	Water supply security for the entire MWSS service area;	6,720.00	Completion of Feasibility Study	Feasibility Study completed on August 2018
2	Tunnel No. 5 Project	Detailed Engineering Design (DED) and Construction of new Tunnel No. 5  Proj. Location: Norzagaray, Bulacan	New tunnel intended to replace or support the existing very old Tunnel No. 1 that will convey at least 1,700 mld of raw water	It will secure the continuous supply of raw water coming from the Angat Reservoir	Water supply security for the entire MWSS service area;		For study of its implementation scheme	Currently being discussed with CPF and MWSS RO on the technical proposal submitted by CMC di Ravenna
3	Ipo Dam 3 Project	Proposed construction of Ipo Dam 3 situated downstream of the existing Ipo Dam 2.  Proj. Location: Norzagaray, Bulacan	New dam that can hold an estimated 40 million cubic meters of raw water	It will mitigate flooding in Bulacan as this dam will serve as an impounding reservoir for water coming from spills of existing Ipo Dam and rains around the area.	Water supply for domestic (MWSS) and irrigation (NIA)		For Feasibility Study (FS)	The consultancy services for the conduct of FS was awarded to consultant EDCOP on 20 Dec 2018, and this was funded by NEDA through its PDRS funding.