

PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON)

COMMITTED

As of 30 April 2018

Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			4770			
Indicative	Limay Power Plant Project Phase II	SMC Consolidated Power Corporation	Brgy. Lamao, Limay, Bataan	300	<p>FEASIBILITY STUDY: Completed</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Acquisition Completed <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> On-going electric power supply contract negotiation with prospective off-takers (DUs) <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Final review and drafting of ECC was done last 16 August 2013 and expected to receive by end of August 2013; Submitted System Impact Study last 12 July 2013, review of the report is still on-going; Requirements for BOI will be submitted once ECC is release; Expected submission on 1st week of September 2013; Agreement for the use of the land was entered between SMC Consolidated Power Corp and leasehold rights holder <ul style="list-style-type: none"> On-going securing of other permits and other regulatory requirements SEC issued last 19 August 2011; Site Development Target: <p>GROUNDBREAKING SCHEDULES:</p> <ul style="list-style-type: none"> 3rd Week of September 2013 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Securing project financing 70:30 Debt-equity ratio Project cost is Under Planning and Budget Review <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Awarded EPC to Formosa Heavy Industries (FHI) <ul style="list-style-type: none"> Issued NTP on 1 August 2014 Completed and issued construction and supply contracts on EPC's inside batter limit (main equipment) <p>• Other main contracts for review and awarding (site development/land preparation, transmission connection, pier and jetty structure, fuel handling facilities and other ancillaries, ash pond construction and water supply)</p> <ul style="list-style-type: none"> Handover of site for Unit 1 is 31 Oct. 2014; Handover of Site for Unit 2 is 28 February 2015; Target Date for Coal Yard for Phase 2 is 31 August 2015; Transmission Target: New extra high voltage TL and SS should be ready by November 2016; <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Target commencement of construction- Site development/Land preparation: 2 September 2013 (upon release of ECC) Start of Piling and Construction: 15 October 2013 	Unit 3 - December 2017 Unit 4 - August 2019	Unit 3 - May 2018 Unit 4 - December 2019
					<p>FEASIBILITY STUDY: Completed</p> <ul style="list-style-type: none"> Completed Selection Study in 2012; Technology selection study completed 2012 Coal Sourcing Study completed in 2012 <p>• Facility Study to be done in 2014; System Impact Study completed 2007 and revalidated 2013</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Project will be located within the existing site <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> 20 years + 5-year extension PSA with MERALCO as offtaker; <p>• SBPL has signed a PSA with Meralco on 29 May 2014; PSA approved by ERC on March 27, 2015 and released May 19, 2015</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS :</p> <ul style="list-style-type: none"> Clearance to Undertake GIS from DOE issued on 7 March 2013; System Impact Study completed in 2007 and is being revalidated in 2013; <ul style="list-style-type: none"> ECC (Ref.Code 0610-012-4021) issued on 4 June 2007 		

Committed	San Buenaventura Power Ltd. Co. (SBPL) Project	San Buenaventura Power Ltd. Co. (SBPL)	Barangay Cagsiay 1, Mauban, Quezon	500	<ul style="list-style-type: none"> ECC extension of validity issued on 31 May 2012 and valid until 4 June 2015; ECC for SBPL issued on 11 November 2014 Request for Amendment to upgraded technology submitted to EMB on 17 February 2014 Request to assign the ECC for new project was requested on 2 June 2014; Additional information requested by EMB on 7 August 2014; QPL is in the process of preparing the documents; <ul style="list-style-type: none"> Secured Sanggunian Bayan Resolution No. 2014-269 endorsing the project to expand; SIS completed in 2007 and is being revalidated; Municipal LGU endorsement issued April 19, 2005; Certificate of Non-Overlap was issued by the NCIP to Quezon Power on 5 February 2014; Request to assign the CNO was endorsed by the DOE and submitted to the NCIP on 15 July 2014; Certificate of Non-overlap issued on 29 August 2014 ERC application was filed on 2 June 2014; Financing arrangements is expected to be secured only after the ERC issues the final approval; BOI Certificate of Registration issued on 15 October 2015 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Financing arrangements is expected to be secured only after the ERC issues the final approval; Financially closed December 1, 2015 <ul style="list-style-type: none"> Project cost is Php37.8B <p>GROUND BREAKING SCHEDULES:</p> <ul style="list-style-type: none"> December 10, 2015 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Owner's Engineer selected; EPIC bids received in November 2013 <ul style="list-style-type: none"> EPC Contract signed October 2014; <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Award EPC contract estimate September 2013; <ul style="list-style-type: none"> End of 2014 Expect to commence construction only after the ERC issues the final approval <ul style="list-style-type: none"> 4 years to fully complete the construction of the plant; 	December 2018	June 2019
Committed	Masinloc Expansion Project	AES Masinloc Power Partners Co., Inc.	Zambales	300	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> Completed February 2011 <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> No additional land will be acquired as the expansion will be inside the existing Masinloc Power Plant Complex. NPC/PSALM, however, is still continuing the titling process and land registration for some parcels of land <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Grid Impact Studies obtained on 7 January 2011 ECC Amendment was released by DENR on April 23, 2012 The amended DOE Certificate of Endorsement for BOI was released on May 7, 2012 <ul style="list-style-type: none"> Secured CoE for ERC on September 2011 On-going processing of Certificate of Precondition from NCIP <ul style="list-style-type: none"> SAPA amendment is still pending with DENR <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Provided bank certification for financial closing status to DOE dated 24 August 2016; <ul style="list-style-type: none"> Project cost is Php49.45B <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Selection of EPC Contractor on going <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> 2nd Qtr 2014 	Unit 3 - September 2019	December 2019 (Target Testing and Commissioning)
Committed	RPEI Coal-Fired Power Plant	Redondo Peninsula Energy, Inc.	Sitio Naglatore, Cawag, Subic Bay Freeport Zone	600	<p>FEASIBILITY STUDY: Completed</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Project Site is leased from the Subic Bay Metropolitan Authority <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> Started discussions with the Manila Electric Company for sale of power <ul style="list-style-type: none"> 52% owned by Meralco PowerGen Corp. (MPGC) Target signing RP Energy and MERALCO PSA June 2015 Filing of application for PSA with ERC June 2015 <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Amended ECC (3rd Amendment) secured last 15 November 2012 The Connection Agreement has been executed last October 24, 2014. Execution after completion of NGCP's review of the revised System Impact Study and Facilities Study prepared by RPE NGCP's application to ERC for approval of Transmission Asset has been completed and is currently awaiting decision. <ul style="list-style-type: none"> RPE's application to the ERC for the Connection Asset has been deemed sufficient in form and substance Revised System Impact GIS review by NGCP completed 10 May 2012 	Unit I - October 2018 Unit II - December 2018 (Target Commencement of Construction will be Dependent on Supreme Court decision on Writ of Kalikasan Case.)	2019

					<ul style="list-style-type: none"> Any further development dependent on Supreme Court decision on Writ of Kalikasan case; <ul style="list-style-type: none"> Public consultations conducted in Subic on 29 June 2012 Site Preparation completed in 2013; Target Commencement of Construction will be Dependent on Supreme Court decision on Writ of Kalikasan Case <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Project cost Php50B / \$1.2B <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Engineering, Procurement and Construction (EPC) contract negotiations finalized Site preparation construction on-going, construction commenced on Q3 2013 		
Committed	GNPower Dinginin 2 x 660 MW Supercritical Coal-Fired Power Plant	GNPower Dinginin Coal Plant Ltd. Co.	Mariveles, Bataan	1200	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> On-going presentation/proposal submissions to potential customers Clearance to Undertake GIS from DOE issued on 26 June 2011; Obtained LGU endorsements; BOI registration for 600 MW pre-approve <ul style="list-style-type: none"> On-going SI; On-going EIS for ECC application On-going securing DOE of Endorsement for DENR-ECC Arrangements for securing the required land will be acquired by an affiliate Filipino company of GNPower; <ul style="list-style-type: none"> On-going negotiation with tenders <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Project cost is \$1B Provided bank certification which was received by DOE-EPIMB-PPDD on 18 March 2016 With Financial Closing, agreed by GNPD and banks/financial institutions on 17 December 2015 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> On-going finalization of EPC Contract EPC Contract was signed on Oct 27, 2015 	Unit I - Oct 2018 Unit II - Dec 2019	Unit I - March 2019 Unit II - January 2020
Committed	AOE Coal-Fired Power Plant	Meralco PowerGen Corporation (Project Company: Atimonan One Energy)	Atimonan, Quezon	1200	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> Completed 21 January 2015 <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Acquisition of the parcels of the land in the target plant site in Atimonan, Quezon is on-going (expanding) <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> Energy to be sold to DUs and electric cooperatives Discussion of PSA with potential off-takers on-going <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> On-going securing of ECC SEC already amended Clearance to Undertake GIS from DOE issued on June 2014 <ul style="list-style-type: none"> GIS on-going Ongoing discussion with LGU and there was no violent reaction from them on this proposed changes. <ul style="list-style-type: none"> EIS draft submitted to DENR in Nov. 2014 Foreshore Lease Application (FLA) submitted to DENR last March 2013 (currently on hold as the DENR does its internal organizational restructuring) <ul style="list-style-type: none"> Applied Certificate of Non-Overlap with National Commission on Indigenous Peoples (NCIP) <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Financing discussion on-going Informal discussions have begun with several banks with respect to the financing of the project <ul style="list-style-type: none"> On-going negotiations with lenders <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Owner's Engineer has been appointed; EPC pre-qualification process on-going <ul style="list-style-type: none"> EPC pre-qualification process on-going No contracts have been awarded to date re: EPC still on-going <ul style="list-style-type: none"> On-site works targeted to start in 2016 <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> The parties have yet to agree on when construction will commence 	Unit 1 - June 2021 Unit 2 - TBD	Unit 1 - June 2021 Unit 2 - TBD

Committed	Global Luzon Coal-Fired Power Plant	Global Luzon Energy Development Corporation	Brgys. Carisquis and Nalvo Sur, Luna, La Union	670	<p>FEASIBILITY STUDY: Completed</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Land acquisition on-going (80% completion) <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> EPPA with MERALCO has been executed for the off-take of 100% of plant's net capability <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Secured DOE clearance to undertake SIS last July 1, 2016 Secured DOE endorsement to NCIP for CNO last March 27, 2017 Ongoing EIA finalization for ECC application; tentative submission on June 2017 Secured Certificate of Non-coverage from DAR last December 12, 2016 Barangay, Municipal, Provincial clearances ongoing <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Cost is US\$ 1.5B <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> EPC pre-qualification process started March 2017 <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Target commencement of construction Aug 2018 	November 2021	January 2022
	OIL			0			
	NATURAL GAS			650			
Committed	Pagbilao Combined Cycle Gas Fired Power Plant Proposed 3x200 MW CCGT Power Plant	Energy World Corporation	Brgy. Ibabang Polo, Grande Island, Pagbilao, Quezon	650	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> Completed <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Land is already secured with a long lease entered into since 2007 <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> No specific off taker yet but already have a discussion with Federation of Philippine Industries, intended to supply power into the Wholesale Electricity Spot Market but is also open to discussing potential off take arrangements as well 100% WESM <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> GIS for 300MW issued by NGCP on 8 August 2013 and revised on 3 July 2013 for 600MW Issued DOE Endorsement for Revised Capacity on 3 July 2013; Revised DOE clearance for GIS submitted to NGCP on January 2014 GIS from NGCP for the 600MW was released on August 2014; Several Resolutions has been issued on May 2014 (Sangguniang Barangay Resolution, Sangguniang Bayan Resolution and Sangguniang Panlalawigan Resolution) interposing no objection for the construction of a 600 MW Liquefied Natural Gas (LNG) Power Plant; On-going processing of ECC for power plant <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Financial Arrangement Secured Syndicated Loan Project Cost:\$300M Signing of loan agreement last 18 Sep 2015 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Entered into a Sale and Purchase Agreement last October 2012 with Siemens Energy for two 200 MW gas turbines and the first 200MW turbine is expected to arrive by September 2014; LNG Tank is currently at 50% construction completed as of August 2014; <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> December 2013 Completed 	2018	2018
	HYDROPOWER			430.73			
Committed	Tubao	Tubao Mini-Hydro Electric Corporation	Tubao, La Union	1.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued Confirmation of Commerciality on 19 March 2015 <p>GROUND BREAKING SCHEDULES:</p> <ul style="list-style-type: none"> Ground breaking held on 8 November 2014 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Pending submission of requirements for construction 	November 2018	December 2018

Committed	Majayjay	Majayjay Hydro Power Company, Inc.	Majayjay, Laguna	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Submission of lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going pre construction activities 	November 2018	December 2018
Committed	Labayat River (Upper Cascade)	Repower Energy Development Corporation	Real, Quezon	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 8 January 2016 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Ongoing pre-construction activities 	November 2018	December 2018
Committed	Colasi	Colasi Mini Hydro Electric Power Plant Corporation	Mercedes, Camarines Norte	1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Submission of lacking requirements e.g. permits in progress • Clearance to Undertake GIS from DOE issued on 3 December 2012 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going rehabilitation 	November 2019	December 2019
Committed	Man-Asok	Benguet Electric Cooperative	Buguias, Benguet	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 22 September 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2019	December 2019
Committed	Dupinga Hydroelectric Power Project	Constellation Energy Corporation	Gabalton, Nueva Ecija	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 26 June 2013 <ul style="list-style-type: none"> • Already secured LGU Endorsements • DENR Environmental Compliance Certificate • NCIP Certificate of Compliance, and NWRB Permit • Submitted Feasibility Study and 5-Yr Work Plan • Submission of lacking requirements e.g. permits in progress <p>• On-track with the schedule with regards to the permitting on-going conduct of pre-construction activities such as permitting</p> <ul style="list-style-type: none"> • Issued confirmation of Commerciality on 26 June 2013 e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Progress (Pre-construction -0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 	November 2019	December 2019
Committed	Lalawinan Mini-Hydro Power Project	Repower Energy Development	Real, Quezon	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 29 December 2015; 	November 2019	December 2019
Committed	Didipio 1	AT Dinum Company	Kasibu, Nueva Vizcaya	2.1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 3 March 2016; 	November 2020	December 2020
Committed	Ibulao Hydroelectric Power Project	Hydrocore, Inc.	Lagawe, Ifugao	4.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 26 June 2013 <ul style="list-style-type: none"> • Already secured LGU Endorsements • DENR Environmental Compliance Certificate • NCIP Certificate of Precondition • Land Lease agreement and NWRB Permit. • Submitted Feasibility Study, Detailed Engineering Design and 5-Yr Work Plan and Grid Impact Study • Clearance to Undertake GIS from DOE issued on 17 October 2011 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going construction (Pre-construction - 100%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 	November 2020	December 2020

Committed	Abdao HEP	AV Garcia Power Systems Corp.	Tabaan Sur, Tuba, Benguet	2	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 25 September 2014 • Submission of Lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going pre construction (Pre-construction -0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 • Pending submission of requirements for construction 	November 2020	December 2020
Committed	Barit (Irrigation Discharge) Hydroelectric Power Project	Nascent Technologies	Buhi, Camarines Sur	0.4	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 12 September 2014 • Submission of Lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going construction (Pre-construction -0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 • Pending submission of requirements for construction 	November 2020	December 2020
Committed	Dibuluan	Greenpower Resources Corp	San Agustin, Isabela	5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 24 June 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for construction 	November 2020	December 2020
Committed	Kabayan 2 (Natalang HEP)	Hedcor Cordillera, Inc.	Kabayan, Benguet	38	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • On going <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> • To secure contract of lease with the landowners <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> • FIT or PSA <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • With Renewable Energy Service Contract • With on going application for HSC amendment: Increase in capacity from 45 MW to 52 MW • Still on process in securing other regulatory requirements <p>GROUND BREAKING SCHEDULES:</p> <ul style="list-style-type: none"> • 4th Quarter of 2016 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Parent company will undertake to provide financial support <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • To be undertaken after acquisition of permits <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> • 4th Quarter of 2016 	November 2020	December 2020
Committed	Maapon River Mini-Hydro Power Project (MHP)	Renesons Energy Corporation	Brgy. Piis, Lucban, Quezon	2.6	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on May 2014; 	November 2020	December 2020

Committed	Didipio 2	AT Dinum Company	Kasibu, Nueva Vizcaya	9.4	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 6 April 2016; 	November 2020	December 2020
Committed	Talubin Hydropower Project	Mountain Province Electric Cooperative Inc.	Bontoc, Mountain Province	4.9	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 11 December 2015 	November 2020	December 2020
Committed	Laguio Malaki 1	Enervantage Suppliers Co., Inc.	Mauban, Quezon	1.6	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 9 October 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2021	December 2021
Committed	Pinacanauan	Sunwest Water & Electric Co., Inc.	Peñablanca, Cagayan	6	<p>'PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 18 September 2013 <ul style="list-style-type: none"> • Already secured LGU Endorsement • DENR ECC, NWRB CWP and NCIP CNO • Submitted Feasibility Study, Detailed Engineering Design and 5-Yr Work Plan • Clearance to Undertake GIS from DOE issued on 25 March 2013 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Progress (Pre-construction - 0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 	November 2021	December 2021
Committed	Laguio Malaki 2	Enervantage Suppliers Co., Inc.	Mauban, Quezon	3.1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 9 October 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2021	December 2021
Committed	Davidavilan	PTC Energy, Inc.	Mauban, Quezon	1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 9 October 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2021	December 2021

Committed	Matuno 1	Smith Bell Mini Hydro Corporation	Ambaguio, Nueva Vizcaya	7.4	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 29 December 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2021	December 2021
Committed	Matibuey	Sta. Clara Power Corporation	Matibuey, Ilocos Sur	16	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 12 April 2016; 	November 2021	December 2021
Committed	Tibag	Repower Energy Development	Real, Quezon	4.40	Issued Commerciality on 9 March 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Lower Labayat	Repower Energy Development	Real, Quezon	1.40	Issued Commerciality on 9 March 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Besao 2	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	7.00	Issued Confirmation of Commerciality on 17 May 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Besao 1	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	1.00	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	November 2021	December 2021

Committed	Besao 3	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	4.50	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Besao 1B	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	1.70	Issued Confirmation of Commerciality on 11 May 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Besao 2A	BIMAKA Renewable Energy Develop	Besao, Mountain Province	1.50	Issued Confirmation of Commerciality on June 24, 2016 Ongoing pre-construction activities.	November 2021	December 2021
Committed	Besao 1A	BIMAKA Renewable Energy Develop	Besao, Mountain Province	2.30	Issued Confirmation of Commerciality on December 15, 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Ibulao 1	Kiangan Mini Hydro Corporaion	Kiangan, Ifugao	6.75	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Lamut	Enerhighland Corporation	Asipulo & Lamut, Ifugao	6.00	Issued Confrimation of Commercialization on 27 July 2016. Ongoing pre-construction activities.	November 2021	December 2021

Committed	Hungduan	Kiangan Mini Hydro Corporation	Kiangan, Ifugao	4.04	Issued Confirmation of Commercialization on 07 September 2016. Ongoing pre-construction activities.	November 2021	December 2021
Committed	Alilem	Philnew Hydro Power Corporation	Alilem, Ilocos Sur	16.2	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Submission of Lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> On-going pre construction activities 	November 2022	December 2022
Committed	Ilaguen	Isabela Power Corporation	San Mariano & San Guillermo	19	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued Confirmation of commerciality on 18 February 2015; On-going permitting <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Pending submission of requirements for construction 	November 2022	December 2022
Committed	Matuno	Epower Technologies Corporation	Bambang, Nueva Ecija	8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued Confirmation of commerciality on 24 June 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Pending submission of requirements for construction 	November 2022	December 2022
Committed	Disabungan	Greenpower Resources Corporation	San Mariano, Isabela	4.8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <p>Issued Confirmation of Commerciality on 29 July 2015 .</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <p>Ongoing pre-construction activities.</p>	November 2022	December 2022
Committed	Cawayan 2	Sunwest Water & Electric Co., Inc.	Sorsogon, Sorsogon	1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued Confirmation of commerciality on 15 April 2015; On-going permitting <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Pending submission of requirements for construction 	November 2022	December 2022

Committed	Quirino	Philnewriver Power Corp.	Quirino, Ilocos Sur	11.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 7 September 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2022	December 2022
Committed	Matuno 2	Smith Bell Mini Hydro Corporation	Bambang, Nueva Ecija	7.9	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 29 December 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	November 2022	December 2022
Committed	Piapi	Repower Energy Development	Mauban, Quezon	3.30	Issued Commerciality on 9 March 2016. Ongoing pre-construction activities.	November 2022	December 2022
Committed	Tignoan River (Upper Cascade) HEP	Repower Energy Development Corp	Real, Quezon	1.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 8 May 2017 (DOE-EPIMB-SIS No. 2017-04-004) 	November 2022	December 2022
Committed	Asin	Kiangan Mini Hydro Corporation	Kiangan, Ifugao	7.04	Issued Confirmation of Commercialization on 24 June 2016. Ongoing pre-construction activities.	November 2022	December 2022
Committed	Ilaguen 3	Isabela Power Corporation	Echague, Isabela	11.00	Issued Confirmation of Commercialization on May 24, 2016. Ongoing pre-construction activities.	November 2022	December 2022

Committed	Addalam	Quirino Resources Development Corp.	Aglipay, Quirino	14.20	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	November 2022	December 2022
Committed	Kapangan	Cordillera Hydro Electric Power Corporation	Kapangan & Kibungan, Benguet	60	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 13 February 2014 <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> • On-going civil works of hydro facilities 	November 2023	December 2023
Committed	Ibulao 2	Enerhighland Corporation	Municipalities of Kiangnan, Lamut and Lagawe , Province of Ifugao	7.40	Issued Confirmation of Commerciality on 27 May 2016. Ongoing pre-construction activities.	November 2023	December 2023
Committed	Addalam	Quirino Power Energy Corporation	Aglipay, Quirino	3.80	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	November 2024	December 2024
Committed	Tinoc 1	Quadriver Energy Corp.	Tinoc, Ifugao	4.1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Pending submission of requirements for construction • Issued Confirmation of Commerciality on 9 August 2013 	November 2025	December 2025
Committed	Tinoc 4	Philnew Hydro Power Corporation	Tinoc, Ifugao	5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 09 August 2013; • Submission of lacking requirements e.g. permits in progress; • Clearance to Undertake GIS from DOE issued on 11 July 2011 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Progress (On going Pre-construction, Construction-0%, Interconnection-0%) completed as of 30 September 2014 	November 2025	December 2025

Committed	Tinoc 2	Philnew Hydro Power Corporation	Tinoc, Ifugao	11	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 06 January 2014 • Submission of lacking requirements e.g. permits in progress • Clearance to Undertake GIS from DOE issued on 11 July 2011 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Progress (Pre-construction - 0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 	November 2025	December 2025
Committed	Tinoc 3	Quadriver Energy Corp.	Tinoc, Ifugao	8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 06 January 2014 • Submission of lacking requirements e.g. permits in progress • Clearance to Undertake GIS from DOE issued on 11 July 2011 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Progress (Pre-construction - 0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014 	November 2025	December 2025
Committed	Tumauni (Lower Cascade)	Quadriver Energy Corp.	Tumauni, Isabela	7.8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Submission of Lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going pre construction activities 	November 2025	December 2025
Committed	Tumauni (Upper Cascade)	Philnew Hydro Power Corporation	Tumauni, Isabela	14	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Submission of Lacking requirements e.g. permits in progress • Issued with GIS on 29 October 2017 (DOE-EPIMB-SIS No. 2017-10-004) <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going pre construction activities 	November 2025	December 2025
Committed	Tinoc 5	Philnew River Power Corporation	Tinoc, Ifugao	6.9	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Submission of Lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going pre construction activities 	November 2025	December 2025
Committed	Tinoc 6	Philnew River Power Corporation	Tinoc, Ifugao	8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Submission of Lacking requirements e.g. permits in progress <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going pre construction activities 	November 2025	December 2025

Committed	Ilaguen 2	Isabela Power Corporation	Dinapigue, Isabela	14	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued Confirmation of commerciality on 22 May 2015; <ul style="list-style-type: none"> On-going permitting <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Pending submission of requirements for construction 	November 2025	December 2025
Committed	Danac	Philnewriver Power Corp.	Sugpon, Ilocos Sur	13.2	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued Confirmation of commerciality on 29 June 2015; <ul style="list-style-type: none"> On-going permitting <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Pending submission of requirements for construction 	November 2025	December 2025
	SOLAR			67.86			
Committed	Sta. Rita Solar Power Project - Phase II	Jobin-Sqm Inc. (JOBIN)	Mt. Sta. Rita, Morong and Hermosa, Bataan	67.86	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Awarded with RE Service Contract (SESC No. 2013-10-039) on 20 Nov 2013 Certificate of Commerciality No. SCC- 2015-09-021-A2 dated 11 March 2016 25MWp out of the 92.86 MWp target capacity was commissioned as of September 2017 	May 2018	June 2018
	WIND			0			
	GEOTHERMAL			43			
Committed	Maibarara 2 Geothermal Project	Maibarara Geothermal Inc.	Batangas	12	<p>FEASIBILITY STUDY: On-going</p> <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> The off-taker for generated power is still under negotiation <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Project is within the existing DOE Service Contract within GRESC # 2010-02-012 <ul style="list-style-type: none"> LGU endorsement Land Use permits DENR-ECC and water rights obtained Secured Certificate of Non-overlap from NCIP regional Office IV Confirmation of Commerciality obtained from DOE on 21 September 2015; <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Project cost estimated PhP 1,848.30 Million 	March 2018	May 2018
Committed	Bacman 3 (Tanawon) Geothermal Project	Energy Development Corporation	Guinlajon, Sorsogon	31	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> DOE Service Contract within GRESC # 2009-10-003; <ul style="list-style-type: none"> LGU endorsement Land Use Permits, DENR-ECC Water Rights obtained; Turnkey Contract pending result of feasibility study under negotiation; Submitted Declaration of Commerciality (DOC) on 17 June 2014, evaluation by DOE of the DOC is still on-going; <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Project to be finance by EDC; Project cost estimated \$140M-180M 	November 2025	December 2025
	BIOMASS			37.875			
Committed	ACNPC WTE Biomass Power Plant Project Phase 2	Asian Carbon Neutral Power Corporation	Tarlac	1	<p>FINANCING ARRANGEMENTS: Closed</p> <p>CONSTRUCTION:</p> <ul style="list-style-type: none"> On-going construction 	January 2018	May 2018

Committed	Isabela La Suerte Rice Husk-Fired Power Project	Isabela La Suerte Rice Mill Corporation	Camarines Sur	5	<p>FINANCING ARRANGEMENTS: Closed</p> <p>CONSTRUCTION:</p> <ul style="list-style-type: none"> On-going testing and commissioning Interconnection Issue 	January 2018	May 2018
Committed	Central Azucarera Bagasse-Fired Power Plant Project	Central Azucarera Don Pedro, Inc.	Batangas	31.875	<p>CONSTRUCTION:</p> <ul style="list-style-type: none"> Operating for own-use/Testing and Commissioning 	February 2018	May 2018
	Battery			10			
Committed	AES Battery Storage - Masinloc Project	AES Philippines Power Partners Co., LTD.	Masinloc, Zambales	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Secured GIS on June 2, 2015; COE issued 16 December 2015 (10MW BESS) <ul style="list-style-type: none"> Receipt of ECC dated 5 Oct 2016 Construction Substantial Completion (MPPCL) dated 11 May 2016 <ul style="list-style-type: none"> WESM Registration - 01 July 2016 Provisional Approval to Connect (NGCP) - 08 July 2016 Approval of NGCP PGC Compliance Test Protocol for BESS (GMC) - 05 August 2016 PGC Compliance Testing and Commissioning, including NGCP witnessing of Factory Acceptance Testing (NGCP) - 22 September 2016 <ul style="list-style-type: none"> Receipt of signed Connection Agreement (NGCP) - 03 October 2016 Receipt of Signed Metering Services Agreement (NGCP) - 14 October 2016 <p>GROUND BREAKING SCHEDULES:</p> <ul style="list-style-type: none"> Ground breaking ceremony 15 December 2015 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Construction on going <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Target Commencement of Construction: June 2016 	2018	2018

Total Committed Rate
Capacity 5999.465

* Committed Project(s)

COAL		4770
DIESEL / OIL		0
NATURAL GAS		650
GEO THERMAL		43
HYDROPOWER		430.73
SOLAR		67.86
WIND		0
BIOMASS		37.875
BESS		10
		5999.465
		TRUE