

PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON)

INDICATIVE

As of 30 June 2017

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			7760			
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) 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) <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) <ul style="list-style-type: none"> Start of Piling and Construction: 15 October 2013 	Unit 1 - August 2017 Unit II - August 2019	Unit 1 - December 2017 Unit II - December 2019 (Target Testing & Commissioning)

Indicative	SRPGC 2x350MW Coal-Fired Power Plant Project	St. Raphael Power Generation Corporation	Brgy. San Rafael, Calaca, Batangas	700	<p>FEASIBILITY STUDY: Completed;</p> <p>'ARRANGEMENT FOR SECURING THE REQUIRED LAND: Finalization of terms of sub-lease on-going</p> <p>MARKETING OF GENERATING CAPACITIES: •ERC commenced hearing the PSA application starting November 29, 2016. Proceedings on-going;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • SEC Registration - September 2013; • DENR ECC - September 2015; (awaiting approval of the ECC amendment); • NGCP Grid Impact Study - February 13, 2017; • Sangguniang Barangay Endorsement - February 24, 2017; • BOI Registration - For Registration;</p> <p>GROUND BREAKING SCHEDULES: • Target Notice to Proceed 1H 2018</p> <p>FINANCING ARRANGEMENTS: • Target financial close 1H 2018</p> <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • EPC Contract Target Signing 2H 2017;</p> <p>COMMENCEMENT OF CONSTRUCTION: • 2H 2018;</p> <p>ISSUES ENCOUNTERED RE: PROJECT DEVELOPMENT 1. SRPGC 2x350MW Commercial operations anchored on the completion of NGCP Calaca-Dasmarinas Transmission Line Expansion Project; 2. Connection to the grid is dependent on the completion of the New Calaca Substation; 3. Final project economics dependent on ERC's decision on the PSA which impacts financing</p>	July 2019	December 2019
Indicative	Merbau Coal Fired Thermal Power Plant	Merbau Corporation	Brgy. Pinamukan Ibaba, Batangas City	600	<p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: • Property is currently under Land Lease Agreement (LLA) between Sem-Calaca Power Corporation (SCPC) with PSALM</p> <p>MARKETING OF GENERATING CAPACITIES: • On-going negotiations with prospective off-takes (DUs and those currently with PSAs and contestable market under Open Access Regime</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Conduct of EIA Study and Preparation of EIS - November 2013 to February 2014 • Draft EIS Submission and Preliminary Review - Middle of 2014 • Public Hearing - 1 month after submission of EIS • EMB Review - 55 days; ECC (from DENR-EMB): - RevCom requested redo of Air Dispersion Modeling using Prognostic Meteorological Data, target ETC April. - Awaiting schedule for public hearing, target May 2017. • Secured Clearance from DOE for the conduct of GIS on 21 February 2014; • Secured Endorsement from DOE for Certificate of CNO from NCIP on 14 July 2014 SIS and FS (from NGCP) - Transmission Line Route Survey completed. - Preliminary design of transmission line still ongoing, ETC April 2017.</p>	Unit 1 - June 2018 Unit 2 - Dec 2018 Unit 3 - June 2019 Unit 4 - Dec 2019	Unit 1 - June 2018 Unit 2 - Dec 2018 Unit 3 - June 2019 Unit 4 - Dec 2019

			Datangas City		<ul style="list-style-type: none"> - Survey report and preliminary design report to be submitted for NGCP comments by 1st week May 2017. - Final Report with NGCP comments is expected to be received May 2017. <p style="text-align: center;">SEC</p> <ul style="list-style-type: none"> - GIS being prepared, target filing by April 2017. <p style="text-align: center;">FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • On-going negotiations for the financing arrangements and other permits <p style="text-align: center;">CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pre-Construction Phase (8 months) • Construction of EIA study and permitting <ul style="list-style-type: none"> • Design and Engineering • Commissioning of EPC Contractor (Phase 1 and Phase2) • Construction Phase (12 months) Civil Works and plant equipment installation <ul style="list-style-type: none"> • Operation Phase (design life) • Start-up and unit synchronization • Conduct of public Scoping with Stakeholder representatives 10 October 2013 • Conduct of Technical Scoping with EMB and EIA Rev Com - 6 November 2013 <ul style="list-style-type: none"> • On-going securing of regulatory requirements 	Unit 3 - June 2019 Unit 4 - Dec 2019	Unit 4 - Dec 2019 (Target Testing & Commissioning Date)
Indicative	RPEI Coal-Fired Power Plant	Redondo Peninsula Energy, Inc.	Sitio Naglatore, Cawag, Subic Bay Freeport Zone	600	<p style="text-align: center;">FEASIBILITY STUDY: Completed</p> <p style="text-align: center;">ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> • Project Site is leased from the Subic Bay Metropolitan Authority <p style="text-align: center;">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 <ul style="list-style-type: none"> • Filing of application for PSA with ERC June 2015 <p style="text-align: center;">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. <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Revised System Impact GIS review by NGCP completed 10 May 2012 • 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 <ul style="list-style-type: none"> • Site Preparation completed in 2013; • Target Commencement of Construction will be Dependent on Supreme Court decision on Writ of Kalikasan Case <p style="text-align: center;">FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • On-going financing arrangements <ul style="list-style-type: none"> • Project cost Php50B / \$1.2B <p style="text-align: center;">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 	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

Indicative	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"> Undergoing consultation with international / local banks; 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 4 - June 2020	December 2020 (Target Testing and Commissioning)
Indicative	AOE Coal-Fired Power Plant	Meralco PowerGen Corporation (Project Company: Atimonan One)	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) 	Unit 1 - June 2021 Unit 2 - TBD	Unit 1 - June 2021 Unit 2 - TBD

		Energy)			<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 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 		
Indicative	H & WB PCB Supercritical Coal-Fired Power Plant	H & WB ASIA PACIFIC (PTE LTD) CORPORATION	Jose Panganiban, Camarines Norte	700	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> Pre-feasibility studies have conducted to determine the viability of the project- Completed in 2014 <ul style="list-style-type: none"> Feasibility study is expected to be completed by the end of 2nd Quarter 2016 <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Land already secured and it has been re-classified as industrial; being resurveyed for titling (6/12/2015) <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> On-going negotiations with MERALCO and Electric Cooperatives will be held on 3rd week of March <ul style="list-style-type: none"> H&WB prepares PSA March 25, 2015 H&WB is reviewing the term sheet provided by MERALCO <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued clearance to undertake GIS on February 12, 2015 On-going securing of permits and other regulatory requirements <ul style="list-style-type: none"> LGU endorsement secured 10 June 2014 NGCP issued "Offer of Service" for SIS on 31 March 2015- completed on 23 September 2015 <ul style="list-style-type: none"> Currently undergoing NGCP's review process On-going processing of ECC requirements Environmental Impact Assessment will be submitted in the 1st Quarter of 2016 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> On-going discussions with major banks and capital companies for debt-financing <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> Ongoing discussion with four potential co-developers and equity partners <ul style="list-style-type: none"> Ongoing sourcing of potential EPC Contractors <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Construction to commence on the 4th Quarter 2017 	Unit 1 - 4th Quarter 2021 Unit 2 - 4th Quarter 2025	Unit 1 - 4th Quarter 2021 Unit 2 - 4th Quarter 2025
Indicative	SMC Circulating Fluidized Bed Coal-Fired Power Plant	SMC Global Power	Brgy. Ibabang Polo, Pagbilao, Quezon	600	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 8 June 2016 (DOE-EPIMB-SIS No. 2016-05-006) 	TBD	TBD

Indicative	SMC Circulating Fluidized Bed Coal-Fired Power Plant	SMC Global Power Holdings Corp.	Sariaya, Quezon	600	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 14 October 2016 (DOE-EPIMB-SIS No. 2016-08-006) 	TBD	TBD
Indicative	Quezon Coal Fired Thermal Plant Project	Orion Pacific Prime Energy, Inc.	Tagkawayan, Quezon	1,200	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • Completed detailed feasibility <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> • Ongoing <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with COE on 19 January 2017(COE No. 2016-12-006) • Issued with SIS on 26 April 2017(COE No. 2017-02-007) <p>GROUND BREAKING:</p> <ul style="list-style-type: none"> • 2021 	TBD	TBD
Indicative	Zestpower Coal Thermal Plant	Zestpower Corporation	Mariveles, Bataan	660	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with COE on 19 January 2017(COE No. 2017-02-001) 	TBD	TBD
Indicative	Lucidum Coal Power Plant	Lucidum Energy, Inc.	Silanguin Bay, Zamboanga	300	<p>FEASIBILITY STUDY: Completed</p> <ul style="list-style-type: none"> • Pacifictech Solutions has completed Feasibility Study as of November 2014 <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> • Lucidum have decided to purchase the land rather than to lease • Additional land area has been decided upon to be leased as right of way for the conveyor belt from the port <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Initial talks between Lucidum and respective DUs, large scale power consumers and cooperatives have been initiated <ul style="list-style-type: none"> • Several structures are being considered to comply with the PPA or commercial guarantees • Several structures are being considered to comply with the PPA or commercial guarantees • Complete corporate documentation for SEC and DOE Endorsement for SEC has been complied <ul style="list-style-type: none"> • On-going processing of other regulatory requirements <ul style="list-style-type: none"> • LGU permits, among others • Approval for the grid impact study has been obtained from the DOE to be submitted to NGCP <ul style="list-style-type: none"> • On-going processing of ECC requirements <p>FINANCING ARRANGEMENTS:</p>	TBD	TBD

Indicative	Lucidum Coal Power Plant	Lucidum Energy, Inc.	Shangain Bay, Zamboanga	300	<p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Financing arrangements are currently negotiating with two lenders and they're waiting for the completion of the feasibility study for their validation <ul style="list-style-type: none"> • Initial talks have been geared towards a 60-40 debt-equity ratio • Current talks with a serious private equity, with the intentions of a turn-key relationship with the assistance of Lucidum group • Additional due diligence requirements are being complied for by Lucidum to for the above mentioned new additional parties <ul style="list-style-type: none"> • Cost is US\$ 600,000,000.00 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Contracts for Plants and Equipment are on hold pending the completion of detailed Engineering Studies • Decided upon the board as per advices by Stanley Consultants, that the incoming EPC contractor shall bear the expenses to allocate land of double size to reassemble the incoming coal turbine <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> • Commencement of Construction will be based upon completion of the Feasibility Study and the Assessments of the financing companies involved 	TBD	TBD
	OIL			150			
Indicative	Aero Derivative Combined Cycle Power Plant	Calamba Aero Power Corporation	Calamba, Laguna	150	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • On-going securing of permits and other regulatory requirements; <ul style="list-style-type: none"> • Granted clearance by DOE for the conduct of GIS <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Project cost is Php5.67B 	TBD	TBD
	NATURAL GAS			2050			
Indicative	500 MW VIRES LNG-FIRED POWER BARGE PROJECT	VIRES Energy Corporation	Batangas Bay area, Batangas	500	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS 11/24/2016 (DOE-EPIMB-sIS No. 2016-11-004) 	March 2018	March 2018 (Target Testing and Commissioning)
Indicative	1x450 Sta. Maria Power Plant (Phase II)	First Gen Ecopower Solutions Inc.	Santa Rita, Batangas	450	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • On-going Feasibility Study <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> • Parcels of land to be used by the Project shall be purchased from FGHC and FGP Corp. <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> • Discussion on targeted off takers on-going <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Power Plant options update completed as of 17 June 2015 <ul style="list-style-type: none"> • City and Barangay endorsements acquired in 2013 • Secured Clearance from DOE for the conduct of GIS on 18 February 2013 • Environmental compliance Certificate application is on-going (targeted to be acquired by July 2015) <ul style="list-style-type: none"> • Importation permit application is on-going • Accreditation from the BOI (targeted on December 2015) <ul style="list-style-type: none"> • Importation permit is on-going • BOI Accreditation target is December 2015 • DENR ECC on going; Certificate is expected in September 2015 	December 2019	June 2020

					<ul style="list-style-type: none"> • Issuance of ECC from DENR expected by October 2015 • BOI targeted January 2016 <ul style="list-style-type: none"> • On-going coordination with affected barangays <p style="text-align: center;">FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Discussion with International Financing outfits and local banks on-going <p style="text-align: center;">CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • EPC and Operation Maintenance contracts targeted to be awarded on December 2015 		
Indicative	Batangas CCGT Plant Unit 1	Therma Batangas Gas, Inc.	Brgy. Libjo, Batangas City	300	<p style="text-align: center;">PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS 5 July 2016 (DOE-EPIMB-GIS No. 2015-06-012) 	TBD	TBD
Indicative	Batangas CCGT Plant Unit 2	Therma Batangas Gas, Inc.	Brgy. Libjo, Batangas City	400	<p style="text-align: center;">PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS 5 July 2016 (DOE-EPIMB-GIS No. 2015-06-012) 	TBD	TBD
Indicative	Batangas CCGT Plant Unit 3	Therma Batangas Gas, Inc.	Brgy. Libjo, Batangas City	400	<p style="text-align: center;">PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS 5 July 2016 (DOE-EPIMB-GIS No. 2015-06-012) 	TBD	TBD
	GEOHERMAL			50			
Indicative	Bacman 4 Botong - Rangas Geothermal Project	Energy Development Corporation	Bacon District, Sorsogon, Sorsogon City	20	<p style="text-align: center;">FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • On-going Feasibility Study <p style="text-align: center;">PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • DOE Service Contract within GRESC # 2009-10-003 • LGU endorsement, Land Use Permits, and DENR-ECC obtained • Permits for the TCP and Water Rights are on-going • Turnkey Contract pending result of feasibility study <p style="text-align: center;">FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Project cost is subject to the result of the feasibility study <p style="text-align: center;">COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> • Target commencement of construction on 1st half of 2015 	December 2022	December 2022 (Target Testing and Commissioning)

Indicative	Kayabon Geothermal Project	Energy Development Corporation	Manito, Albay	30	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> On-going Feasibility Study <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> On-going Feasibility Study and resource assessment; DOE Service Contract within GRESC # 2009-10-003 <ul style="list-style-type: none"> LGU endorsement DENR-ECC, and Water Rights obtained On-going application for land-use permits and negotiations with lot owners <ul style="list-style-type: none"> On-going application for SLUP and TCP permits Clearance to Undertake GIS from DOE issued on 7 October 2011 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Project cost is subject to the result of the feasibility study <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Target commencement of construction on 2nd half of 2017 	December 2025	December 2025 (Target Testing and Commissioning)
	HYDROPOWER			3140.28			
Indicative	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 <ul style="list-style-type: none"> 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 ☐ 	June 2018	June 2018 (Target Testing and Commissioning)
Indicative	Dupinga Hydroelectric Power Project	Constellation Energy Corporation	Gabaldon, 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 On-track with the schedule with regards to the permitting on-going conduct of pre-construction activities such as permitting <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 ☐ 	June 2018	June 2018 (Target Testing and Commissioning)
Indicative	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 	August 2018	August 2018 (Target Testing and Commissioning)

Indicative	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 	August 2018	August 2018 (Target Testing and Commissioning)
Indicative	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 	September 2018	September 2018 (Target Testing and Commissioning)
Indicative	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 	January 2019	January 2019 (Target Testing and Commissioning)
Indicative	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 	January 2019	January 2019 (Target Testing and Commissioning)
Indicative	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 	February 2019	February 2019 (Target Testing and Commissioning)
Indicative	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 	February 2019	February 2019 (Target Testing and Commissioning)

Indicative	Kabayan 1	Hedcor Benguet, Inc.	Kabayan, Benguet	20	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • On-going conduct of Feasibility Study <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Securing of permitting requirements • Newly signed HSC Dec 28, 2015; COR Dec 23, 2015 • With Renewable Energy Service Contract • Still on process in securing other regulatory requirements <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>Groundbreaking 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 	March 2019	March 2019 (Target Testing and Commissioning)
Indicative	Kabayan 3	Hedcor Benguet, Inc.	Kabayan, Benguet	27	<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 14.3 MW to 27 MW • Still on process in securing other regulatory requirements <p>Groundbreaking 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 	March 2019	March 2019 (Target Testing and Commissioning)

Indicative	Bineng 1-2b Combination HEPP	Hedcor, Inc.	La Trinidad, Benguet	19	<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 16.5 MW to 19 MW • Still on process in securing other regulatory requirements <p>GROUNDBREAKING 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 	March 2019	March 2019 (Target Testing and Commissioning)
Indicative	Tignoan HEP	Aurora All Asia Energy Corp.	Real, Quezon	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Currently on-going Preparation of Business Plan • On-going negotiations of Business Financing Arrangement • Clearance to Undertake GIS from DOE issued on December 2014 	July 2019	July 2019 (Target Testing and Commissioning)
Indicative	Biyao	AV Garcia Power Systems Corp.	Balbalan, Kalinga	0.8	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of Commerciality on 01 August 2014 • Submission of lacking requirements 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 • Ongoing construction 	August 2019	August 2019 (Target Testing and Commissioning)

Indicative	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 <ul style="list-style-type: none"> Pending submission of requirements for construction 	September 2019	September 2019 (Target Testing and Commissioning)
Indicative	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 <ul style="list-style-type: none"> Pending submission of requirements for construction 	September 2019	September 2019 (Target Testing and Commissioning)
Indicative	Tumauini (Lower Cascade)	Quadriver Energy Corp.	Tumauini, 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 	October 2019	October 2019 (Target Testing and Commissioning)
Indicative	Tumauini (Upper Cascade)	Quadriver Energy Corp.	Tumauini, Isabela	14	<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 	October 2019	October 2019 (Target Testing and Commissioning)
Indicative	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 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	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 	December 2019	December 2019

Indicative	Kabayan 2 (Natalang HEP)	Hedcor Cordillera, Inc.	Kabayan, Benguet	52	<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>GROUNDBREAKING 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 	January 2020	January 2020 (Target Testing and Commissioning)
Indicative	Ranggas	Clean and Green Energy Solutions, Inc.	Goa & Tigaon, Camarines Sur	1.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Submission of lacking requirements e.g. permits in progress 	January 2020	January 2020 (Target Testing and Commissioning)
Indicative	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 	January 2020	January 2020 (Target Testing and Commissioning)
Indicative	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 	February 2020	February 2020 (Target Testing and Commissioning)
Indicative	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 	April 2020	April 2020 (Target Testing and Commissioning)

Indicative	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 	May 2020	May 2020 (Target Testing and Commissioning)
Indicative	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 	June 2020	June 2020 (Target Testing and Commissioning)
Indicative	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 	June 2020	June 2020 (Target Testing and Commissioning)
Indicative	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 	June 2020	June 2020 (Target Testing and Commissioning)
Indicative	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 	September 2020	September 2020 (Target Testing and Commissioning)
Indicative	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 	September 2020	September 2020 (Target Testing and Commissioning)
Indicative	Ibulao I Hydroelectric Power Project	Kiangan Mini-Hydro Corporation	Kiangan, Ifugao	6	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 28 December 2015 (DOE-EPIMB-SIS No. 2015-12-003) 	September 2020	September 2020 (Target Testing and Commissioning)
Indicative	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 	October 2020	October 2020 (Target Testing and Commissioning)
Indicative	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 	October 2020	October 2020 (Target Testing and Commissioning)

Indicative	Bansud	PTC Energy, Inc.	Mauban, Quezon	1	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued Confirmation of commerciality on 2 October 2015; <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Pending submission of requirements for under development stage 	October 2020	October 2020 (Target Testing and Commissioning)
Indicative	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 	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	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 	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	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; 	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	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; 	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	Maris Main Canal2 HEP	SN Aboitiz Power Generation	Alfonso Lista, Ifugao	1.75	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • Feasibility design completed • Technical studies completed <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • NIA agreement for pre-development activities secured; • LGU endorsement completed <ul style="list-style-type: none"> • NCIP field based Investigation completed; awaiting release of CNO • DENR permitting completed; draft ECC for power plant issued • CNC for transmission line issued; NGCP studies completed <ul style="list-style-type: none"> • Environmental and Social Studies completed • Water right and right of way acquisition on-going 	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	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>	December 2020	December 2020 (Target Testing and Commissioning)

Indicative	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 	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	100 MW Alimit	SN Aboitiz Power-Ifugao	Lagawe, Ifugao	100	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • Completed Pre-FS <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • project capacity of 120 MW • Preparing Business Plan • Financing Arrangement in progress • Application for NCIP FPIC CCA1 Concluded, CCA 2 commencement on 5/15/15 • DENR permit under process; NGCP studies under process 	January 2021	January 2021 (Target Testing and Commissioning)
Indicative	240 MW Alimit	SN Aboitiz Power-Ifugao	Lagawe, Ifugao	240	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • Completed Pre-FS <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • project capacity of 120 MW • Preparing Business Plan • Financing Arrangement in progress • Application for NCIP FPIC CCA1 Concluded, CCA 2 commencement on 5/15/15 • DENR permit under process; NGCP studies under process 	January 2021	January 2021 (Target Testing and Commissioning)
Indicative	Olilicon HEPP	SN Aboitiz Power-Ifugao	Lagawe, Ifugao	10	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • Completed Pre-FS <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • project capacity of 120 MW • Preparing Business Plan • Financing Arrangement in progress • Application for NCIP FPIC CCA1 Concluded, CCA 2 commencement on 5/15/15 • DENR permit under process; NGCP studies under process 	January 2021	January 2021 (Target Testing and Commissioning)

Indicative	Maris Main Canal 1 HEP	SN Aboitiz Power Generation	Ramon, Isabela	8.5	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> • Feasibility design completed • Technical studies completed <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • NIA agreement for pre-development activities secured; <ul style="list-style-type: none"> • LGU endorsement completed • NCIP field based Investigation completed; awaiting release of CNO • DENR permitting completed; draft ECC for power plant issued • CNC for transmission line issued; NGCP studies completed <ul style="list-style-type: none"> • Environmental and Social Studies completed • Water right and right of way acquisition on-going 	January 2021	January 2021 (Target Testing and Commissioning)
Indicative	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; 	March 2021	March 2021 (Target Testing and Commissioning)
Indicative	Cervantes-Mankayan-Bakun HEPP	Hedcor, Inc.	Benguet	27	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 8 January 2014 (DOE-EPIMB-SIS No. 2013-12-001) 	March 2021	March 2021 (Target Testing and Commissioning)
Indicative	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; 	April 2021	April 2021 (Target Testing and Commissioning)
Indicative	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; 	April 2021	April 2021 (Target Testing and Commissioning)
Indicative	Talubin Hydropower Project	Mountain Province Electric Cooperative, Inc.	Bontoc, Mountain Province	5.4	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 11 December 2015 	May 2021	May 2021 (Target Testing and Commissioning)
Indicative	Tibag	Repower Energy Development	Real, Quezon	4.40	Issued Commerciality on 9 March 2016.Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Lower Labayat	Repower Energy Development	Real, Quezon	1.40	Issued Commerciality on 9 March 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Piapi	Repower Energy Development	Mauban, Quezon	3.30	Issued Commerciality on 9 March 2016.Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Besao 2	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	7.00	Issued Confirmation of Commerciality on 17 May 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)

Indicative	Besao 1	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	1.00	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Besao 3	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	4.50	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Besao 1B	BIMAKA Renewable Energy Development Corporation	Besao, Mountain Province	1.70	Issued Confirmation of Commerciality on 11 May 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Besao 2A	BIMAKA Renewable Energy Develop	Besao, Mountain Province	1.50	Issued Confirmation of Commerciality on June 24, 2016 Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Besao 1A	BIMAKA Renewable Energy Develop	Besao, Mountain Province	2.30	Issued Confirmation of Commerciality on December 15, 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Ibulao 1	Kiangan Mini Hydro Corporaion	Kiangan, Ifugao	6.75	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Ibulao 2	Enerhighland Corporation	Municipalities of Kiangan, Lamut and Lagawe, Province of Ifugao	7.40	Issued Confirmation of Commerciality on 27 May 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Addalam	Quirino Power Energy Corporation	Aglipay, Quirino	3.80	Issued Confirmation of Commerciality on 24 June 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Asin	Kiangan Mini Hydro Corporaion	Kiangan, Ifugao	7.04	Issued Confirmation of Commercialization on 24 June 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Ilaguen 3	Isabela Power Corporation	Echague, Isabela	11.00	Issued Confirmation of Commercialization on May 24, 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Lamut	Enerhighland Corporation	Asipulo & Lamut, Ifugao	6.00	Issued Confirmation of Commercialization on 27 July 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)
Indicative	Hungduan	Kiangan Mini Hydro Corporaion	Kiangan, Ifugao	4.04	Issued Confirmation of Commercialization on 07 September 2016. Ongoing pre-construction activities.	December 2021	December 2021 (Target Testing and Commissioning)

Indicative	Addalam	Quirino Resources Development Corporation	Cabarroguis, Quirino	14.20	Issued Confirmation of Commercialization on 26 January 2017. Ongoing pre-construction activities	December 2022	December 2022 (Target Testing and Commissioning)
Indicative	Chico Hydroelectric Power Project	San Lorenzo Ruiz Piat & Water	Tabuk, Kalinga	150	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 6 October 2016 (DOE-EPIMB-SIS No. 2016-09-005) 	December 2023	December 2023 (Target Testing and Commissioning)
Indicative	Kibungan Pumped-Storage HEPP	COHECO Badeo Corporation	Kibungan, Benguet	500	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 9 January 2017 (DOE-EPIMB-SIS No. 2017-01-003) 	TBD	TBD
Indicative	Ilaguen 4 Hydropower Project	Isabela Power Corporation	Echague, Isabela	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 28 February 2017 (DOE-EPIMB-SIS No. 2017-02-008) 	TBD	TBD
Indicative	Wawa Pumped Storage 1 HEP	Olympia Violago Water and Power, Inc.	San Mateo, Antipolo, and Rodriguez, Rizal	500	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 24 April 2017 (DOE-EPIMB-SIS No. 2017-04-002) 	TBD	TBD
Indicative	Wawa Pumped Storage 2 HEP	Olympia Violago Water and Power, Inc.	San Mateo, Antipolo, and Rodriguez, Rizal	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 24 April 2017 (DOE-EPIMB-SIS No. 2017-04-002) 	TBD	TBD
Indicative	Wawa Pumped Storage 3 HEP	Olympia Violago Water and Power, Inc.	San Mateo, Antipolo, and Rodriguez, Rizal	50	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 24 April 2017 (DOE-EPIMB-SIS No. 2017-04-002) 	TBD	TBD
Indicative	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) 	TBD	TBD

Indicative	Nabuangan Run-of-River HEP	Strategic Power Development Corp	Apayao	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 25 May 2017 (DOE-EPIMB-SIS No. 2017-01-004) 	TBD	TBD
Indicative	Dingalan Pumped Storage HEP	Strategic Power Development Corp	Dingalan, Aurora	500	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 25 May 2017 (DOE-EPIMB-SIS No. 2017-01-004) 	TBD	TBD
Indicative	San Roque Lower East Pumped Storage	Strategic Power Development Corp	Pangasinan	400	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 25 May 2017 (DOE-EPIMB-SIS No. 2017-01-004) 	TBD	TBD
	SOLAR			1572.82			
Indicative	Botolan Solar Power Project	Solar Power Utilities Generator Corporation	Brgy. San Juan, Botolan, Zambales	39.27	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with RE Service Contract (SESC No. 2015-05-227) on 21 May 2015 • Certificate of Commerciality No. SCC- 2016-02-043 dated 07 March 2016 	December 2017	December 2017 (Target Testing and Commissioning)
Indicative	Macabud Solar Photovoltaic Power Project	ATN Philippines Solar Energy Group, Inc.	Brgy. Macabud, Rodriguez, Rizal	30	<p>FEASIBILITY STUDY: Completed</p> <p>MARKETING OF GENERATING CAPACITIES:</p> <ul style="list-style-type: none"> • On-going negotiations PPA with MERALCO in the absence of REPA <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with Solar Energy Service Contract (SESC No. 2011-05-002) on 12 May 2011; <ul style="list-style-type: none"> • Secured NGCP Review of Third Party SIS, <ul style="list-style-type: none"> • ECC from DENR • CNO from NCIP • Provincial Resolution of Support • Clearances from Land Registration Authority <ul style="list-style-type: none"> • DAR Certification • Acquired the DOE Certificate of Confirmation of Commerciality on 27 Jun 2013; <ul style="list-style-type: none"> • Clearance to Undertake GIS from DOE issued on 17 October 2011 • On-going negotiations or connection agreement, project financing and Right of Way <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Proofs of negotiations/certifications with financial institutions for project financing <ul style="list-style-type: none"> • Negotiations for financial closing is on-going • Total project cost is US\$70.0 Million <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • Construction Stage as of 30 September 2014 (Pre-Construction -80% completed, Construction-0% completed, Interconnection - 0% completed) 	December 2017	December 2017 (Target Testing and Commissioning)

Indicative	Concepcion Solar Power Project	Enfinity Philippines Renewable Resources, Inc	Brgy. Sta. Rosa, Concepcion Tarlac	50.55	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Awarded with Solar Energy Service Contract (SESC No.2015-02-101) on 28 January 2015 Acquired the DOE Certificate of Confirmation of Commerciality on 11 June 2015 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> negotiations for financial closing <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> On-going construction (see FIT Monitoring Board) 	December 2017	December 2017 (Target Testing and Commissioning)
Indicative	Cavite Solar Power Project	Enfinity Philippines Renewable Resources, Inc	Cavite Economic Zone, Rosario Cavite	3	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Awarded with Solar Energy Service Contract (SESC No. 2011-12-006) on 16 December 2011 Acquired the DOE Certificate of Confirmation of Commerciality on 23 March 2015 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> negotiations for financial closing <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> On-going construction (see FIT Monitoring Board) 	December 2017	December 2017 (Target Testing and Commissioning)
Indicative	Cordon Solar PV Power Project	Greenergy Solutions, Inc.	Cordon, Isabela	50	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 4 April 2016 (DOE-EPIMB-SIS No. 2016-04-004) 	February 2019	February 2019 (Target Testing and Commissioning)
Indicative	Earthenergy Solar Power Plant	Earthenergy Corp.	Balayan, Batangas	30	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 20 September 2016 (DOE-EPIMB-SIS No. 2016-11-007) 	May 2019	May 2019 (Target Testing and Commissioning)
Indicative	V-Mars Solar Power Project	V-Mars Solar Energy Corporation	San Jose/Lupao, Nueva Ecija	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 11 January 2016 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	SJC Solar Power Project	SJC Solar Power Corporation	San Jose City, Nueva Ecija	10	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 3 February 2016 (DOE-EPIMB-SIS No. 2016-02-003) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	RGEC Solar Power Project	Roxas Green Energy Corporation	Nasugbu and Tuy, Province of Batangas	30	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 10 February 2016 (DOE-EPIMB-SIS No. 2016-02-006) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Calabanga Solar Power Project	Calabanga Renewable Energy Inc.	Calabanga, Camarines Sur	50	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 11 March 2016 (DOE-EPIMB-SIS No. 2016-03-001) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	FPI Solar PV Power Project	Firmgreen Phils. Inc.	Tarlac City, Tarlac	50	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-04-005) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Nueva Ecija Solar Power Project	Firmgreen Phils. Inc.	Pantabangan, Nueva Ecija	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-04-005) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Sta. Maria Solar PV Power Project	Greenergy Solutions, Inc.	Sta. Maria, Isabela	125	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 5 May 2016 (DOE-EPIMB-SIS No. 2016-06-006) 	December 2019	December 2019 (Target Testing and Commissioning)

Indicative	Solana Solar Photovoltaic (PV) Plant Phase I	Solana Solar Alpha, Inc.	Hermosa, Bataan	24	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 20 September 2016 (DOE-EPIMB-SIS No. 2016-09-001) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Solana Solar Photovoltaic (PV) Plant Phase II	Solana Solar Alpha, Inc.	Hermosa, Bataan	14	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 20 September 2016 (DOE-EPIMB-SIS No. 2016-09-001) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Sta. Maria Solar Power Project	East Coast Fas Renewable Energy and Industrial Corporation	Sta. Maria, Isabela	30	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-04-001) 	February 2020	February 2020 (Target Testing and Commissioning)
Indicative	Santa Solar Power Project	Satrap Power Corporation	Nagpanaoan, Santa, Iloco	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 5 May 2016 (DOE-EPIMB-SIS No. 2016-04-011) 	March 2020	March 2020 (Target Testing and Commissioning)
Indicative	Talugtug Solar PV Power Project	Greenergy Solutions, Inc.	Talugtug, Nueva Ecija	125	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-06-006) 	May 2020	May 2020 (Target Testing and Commissioning)
Indicative	Capas Solar PV Power Project	Greenergy Solutions, Inc.	Capas, Tarlac	50	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-06-006) 	May 2020	May 2020 (Target Testing and Commissioning)
Indicative	Ilagan II Solar PV Power Project	Greenergy Solutions, Inc.	Ilagan City, Isabela	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 21 April 2016 (DOE-EPIMB-SIS No. 2016-06-006) 	May 2020	May 2020 (Target Testing and Commissioning)
Indicative	Cabanatuan Solar Power Plant	Greentech Solar Energy Inc.	Cabanatuan, Nueva Ecija	6.25	<p>Fesasibility Study: Completed</p> <p>'PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 9 February 2017 (DOE-EPIMB-SIS No. 2017-01-006) COCOC awarded on 16th June 2017 -LGU Permits secured -Already secured required land <p>Commencement of Construction: November 2018</p>	April 2020	June 2020
Indicative	Magsingal Solar Power Plant	Neoenergy Corporation	Magsingal, Ilocos Sur	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 20 January 2017 (DOE-EPIMB-SIS No. 2016-01-005) 	TBD	TBD
Indicative	Bongabon Solar Power Plant	Greentech Solar Energy Inc.	Bongabon, Nueva Ecija	18.75	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 9 February 2017 (DOE-EPIMB-SIS No. 2017-01-006) 	TBD	TBD
Indicative	Calamba and Tanauan Solar Power Project	Solar Philippines Tanauan Corporation	Tanauan, Batangas	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with COE on 20 March 2017 (COE No. 2017-02-004) 	TBD	TBD
Indicative	Capas Solar PV Power Project	Sindicatum C-Solar Power Inc.	Capas, Tarlac	22	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS on 08 March 2017 (DOE-EPIMB-SIS No. 2017-03-003) 	TBD	TBD
Indicative	San Manuel 1 Solar Power Project	Pilipinas Newton Energy Corp.	San Manuel, Pangasinan	70	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS on 23 March 2017 (DOE-EPIMB-SIS No. 2017-03-007) 	TBD	TBD

Indicative	San Manuel 2 Solar Power Project	Pilipinas Einstein Energy Corp.	San Manuel, Pangasinan	70	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS on 23 March 2017 (DOE-EPIMB-SIS No. 2017-03-008) 	TBD	TBD
Indicative	Iba Palauig Solar Power Project	Solar Philippines, Inc.	Iba, Zambales	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS on 18 May 2017 (DOE-EPIMB-SIS No. 2017-05-005) 	TBD	TBD
Indicative	Horus Solar Power Plant Project	Horus Solar Energy Corporation	Morong, Bataan	45	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS on 20 June 2017 (DOE-EPIMB-SIS No. 2017-06-003) 	TBD	TBD
Indicative	Tanauan Batangas Solar I Power Project	Solar Philippines Tanauan Corporation	Tanauan, Batangas	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with SIS on 20 June 2017 (DOE-EPIMB-SIS No. 2017-06-004) 	TBD	TBD
	WIND			1275.4			
Indicative	Phase 1: Pasuquin East Wind Power Project	Energy Logics Philippines, Inc.	Pasuquin, Ilocos Norte	48	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with Wind Energy Service Contract (WESC No. 2009-09-001) on 14 Sept 2009 <ul style="list-style-type: none"> • Acquired Forest Land-Use Agreement with DENR <ul style="list-style-type: none"> • On-going wind resource assessment • Acquired various LGU permits and resolutions of support <ul style="list-style-type: none"> • ECC secured 15 Jun 2010 • GIS secured Dec 2010 • On-going negotiation with the Dept. of National Defense for the clearance to construct wind farm within the vicinity of Pasuquin Radar Station <ul style="list-style-type: none"> • Equity Investors commitment secured • Selected Preferred EPC Turn-key Tenderer for both the wind energy farm and the connection assets • Submitted the Declaration of Commerciality (DOC) with incomplete documentary requirements <ul style="list-style-type: none"> • The DOE is waiting for the final Work Plan of the project for further evaluation • On-going negotiations for project financing and acquisition of TL-ROW as per Work plan • Acquired DOE Certificate of Confirmation of Commerciality on 02 December 2013 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> • Negotiation for financial closing is on-going • Project cost is Php6.048B <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> • On-going construction <ul style="list-style-type: none"> • Construction Stage as of 30 September 2014(Pre-Construction - 39% completed, Construction-0%, Interconnection-0%) • On-going negotiation for project financing and acquisition of TL-ROW as per Work Plan 	December 2018	December 2018 (Target Testing and Commissioning)

Indicative	Balaoi Wind Power Project	Northern Luzon UPC Asia Corporation	Brgy. Balaoi, Pagudpud, Ilocos Norte	45	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> Completed detailed feasibility study <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</p> <ul style="list-style-type: none"> Land Rights Acquisition for WTG or PV, Access Road, and TL: 12% completed as of December 2014 (all land rights secured through Flags and private agreements; TL ROW permitting on going) <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Awarded with Wind Energy Service Contract (WESC No. 2010-02-038) on 1 Feb 2010 <ul style="list-style-type: none"> Conducted detailed wind resource assessment Acquired various LGU permits and resolutions of support <ul style="list-style-type: none"> NCIP Certificate of Non-Overlap on 15 Jan 2007 Forest Land use Agreement with DENR on 20 May 2009 DENR Environmental Compliance Certificate on 23 Jul 2009, DPWH Road Right-of-Way for T/L construction <ul style="list-style-type: none"> CAAP Height Clearance permit Final Report of SIS and Connection Agreement with NGCP secured on 4 Jan 2011 <ul style="list-style-type: none"> BOI Registered on 23 Jun 2011 Acquired DOE Certificate of Confirmation of Commerciality on 02 December 2013 <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> Submitted proofs of negotiations/certifications from banks for project financing Financial Closing - 10% completed as of December 2014 (Project substantially permitted but funders will require clarity on Feed-in-Tariff installation targets before committing funding <ul style="list-style-type: none"> Total project cost is US\$139.5Million Financial Closing - 20% as of Feb report <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> On-going construction - 17.33% as of 30 March 2015 Construction Stage as of March 2015(Pre-Construction - 52% completed, Construction of Wind Farm-0%, Interconnection Facilities - 0%); Construction shall commence upon completion of Caparispisan Project <ul style="list-style-type: none"> Development works shall commenced upon completion of Caparispisan Project EPC, O&M, Owner's Engineer Contract/Agreement: 30% completed as of December 2014 (detailed Design Complete, Environmental Studies Complete); <ul style="list-style-type: none"> NGCP is conducting SIS prior to signing of Connection Agreement 	December 2018	December 2018 (Target Testing and Commissioning)
Indicative	Sembrano Wind Power Project (Formerly: Phase 2: Mabitac Wind Power Project)	Alternergy Sembrano Wind Corporation	Mt. Sembrano, Mabitac, Laguna	80.4	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Acquired DOE Certificate of Confirmation of Commerciality on 13 February 2014 Amended the Contract Area and assigned partially to Alternergy Sembrano Wind Corporation ASWC-WESC No. 2009-09-018-AP2 on 27 February 2014 <ul style="list-style-type: none"> Under the same contract area of WESC No. 2009-09-018; <ul style="list-style-type: none"> On-going wind resource assessment Acquired various LGU permits and resolutions of support; Interconnection Agreement with MERALCO last 1 March 2012; Project Finance Term Sheet with Bank last 27 July 2012; Negotiation for financial closing is on-going; <ul style="list-style-type: none"> Final review of GIS by NGCP last 31 July 2012; <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> AWOC to finance the implementation of the project with 100% equity <ul style="list-style-type: none"> Negotiations for financial closing is on-going <ul style="list-style-type: none"> Project cost is Php7.056B <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> EPC and O&M Contract with consortium of Nordex SE and McConnell Donnell last 11 July 2012 <ul style="list-style-type: none"> On-going construction Construction Stage as of 30 September 2014(Pre-Construction - 22% completed, Construction-0%, Interconnection-0%); <ul style="list-style-type: none"> On-going completion of Pre-construction activities including financial closing Work Plan 	February 2019	February 2019 (Target Testing and Commissioning)

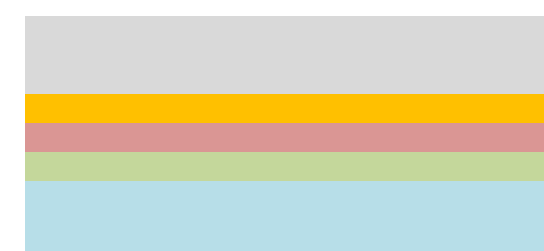
Indicative	Pagudpud Wind Power Project	EDC Pagudpud Wind Power Corporation	Brgy. Balaoi and Caunayan, Pagudpud, Ilocos Norte	84	<p>FEASIBILITY STUDY:</p> <ul style="list-style-type: none"> Completed feasibility study <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Awarded with Wind Energy Service Contract (WESC No. 2010-02-040) on 19 Feb 2010 <ul style="list-style-type: none"> Conducted detailed wind resource assessment Acquired various LGU permits and resolutions of support, DENR Environmental Compliance Certificate; <ul style="list-style-type: none"> Acquired DOE Certificate of Confirmation of Commerciality on 13 June 2014 <p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</p> <ul style="list-style-type: none"> On-going construction <ul style="list-style-type: none"> Construction Stage as of 30 September 2014 (Pre-Construction - 20% completed, Construction-0%, Interconnection-0%) <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> Construction shall commence upon completion of Burgos Project 	June 2019	June 2019 (Target Testing and Commissioning)
Indicative	Burgos 2 Wind Power Project	Energy Development Corporation Pagali Burgos Wind Power Corporation	Burgos, Ilocos Norte	183	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-03-003) 	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	Matnog 1 Wind Power Project	Energy Development Corporation	Matnog, Sorsogon	153	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-03-003) 	August 2020	August 2020 (Target Testing and Commissioning)
Indicative	Matnog 2 Wind Power Project	Energy Development Corporation	Matnog, Sorsogon	206	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-03-003) 	August 2020	August 2020 (Target Testing and Commissioning)
Indicative	Matnog 3 Wind Power Project	Energy Development Corporation	Matnog, Sorsogon	206	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 6 April 2016 (DOE-EPIMB-SIS No. 2016-03-003) 	August 2020	August 2020 (Target Testing and Commissioning)
Indicative	Talisay Wind Power Project	Currimeo Solar Energy Corp.	Camarines Norte	50	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 3 March 2017 (DOE-EPIMB-SIS No. 2017-01-005) 	TBD	TBD
Indicative	Talim Wind Power Project	Currimeo Solar Energy Corp.	Rizal	140	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 3 March 2017 (DOE-EPIMB-SIS No. 2017-01-005) 	TBD	TBD
Indicative	Calatagan Wind Power Project	Currimeo Solar Energy Corp.	Batangas	80	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> Issued with GIS on 3 March 2017 (DOE-EPIMB-SIS No. 2017-01-005) 	TBD	TBD
	BIOMASS			114.2			
Indicative	Polillo Biomass Power Plant Project	Renesons Energy Polillo, Inc.	Quezon	1.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Ongoing applications of requirements;</p> <p>COMMENCEMENT OF CONSTRUCTION: For construction;</p>	May 2019	May 2019 (Target Testing and Commissioning)
Indicative	NREDC Biomass Power Plant Project	Natures Renewable Energy Development Corporation	Cagayan	24	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: Ongoing applications of requirements;</p> <p>COMMENCEMENT OF CONSTRUCTION: For construction;</p>	June 2019	June 2019 (Target Testing and Commissioning)

Indicative	Santa Biomass Power Project	Satrap Power Corporation	Brgy. Nagpanaoan, Santa, Ilocos Sur	10	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 20 July 2016 (DOE-EPIMB-SIS No. 2016-07-005)	June 2019	June 2019 (Target Testing and Commissioning)
Indicative	EcoMarket Solutions Coconut Waste-Fired Biomass Power Project	EcoMarket Solutions, Inc.	Aurora	2.5	PERMITS AND OTHER REGULATORY REQUIREMENTS: Ongoing applications of requirements; COMMENCEMENT OF CONSTRUCTION: For construction;	December 2019	December 2019 (Target Testing and Commissioning)
Indicative	CJ Global Waste-to-Energy Power Project	CJ Global Green Energy Philippines Corp.	Camarines Sur	20	PERMITS AND OTHER REGULATORY REQUIREMENTS: Ongoing applications of requirements; COMMENCEMENT OF CONSTRUCTION: For construction;	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	Napier Grass-Fired Biomass Power Plant	Grass Gold Renewable Energy Corp	Nueva Ecija	12	CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • For construction	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	FQBC Biogas Power Plant Project	First Quezon Biogas Corporation	Quezon	1.2	CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • For construction	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	HEC Rice Husk-Fired Biomass Power Plant Project	Hypergreen Energy Corporation	Bulacan	12	CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • For construction	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	VSGPC Multi-Feedstock Biomass Power Plant Project	V.S. Gripal Power Corporation	Nueva Ecija	6	CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • For construction	December 2020	December 2020 (Target Testing and Commissioning)
Indicative	Bataan 2020 Multi-Feedstock Cogeneration Power Plant	Bataan 2020, Inc.	Mariveles, Bataan	25	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 20 June 2017 (DOE-EPIMB-SIS No. 2017-06-005)	TBD	TBD
BATTERY				230			
Indicative	AES Battery Storage - Laoag Project	AES Philippines Power Partners Co. Ltd.	Laoag, Ilocos Norte	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Secured GIS on 18 February 2016 (DOE-EPIMB-SIS No. 2016-02-001)	TBD	TBD
Indicative	AES Battery Storage - Bantay Project	AES Philippines Power Partners Co., LTD.	Bantay, Ilocos Norte	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Secured GIS on 18 February 2016 (DOE-EPIMB-SIS No. 2016-02-001)	TBD	TBD
Indicative	AES Battery Storage - Masinloc Project Unit 2	AES Philippines Power Partners Co., LTD.	Masinloc, Zambales	10	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Secured GIS on June 2, 2015;	TBD	TBD
Indicative	AES Battery Storage - Masinloc Project Unit 3	AES Philippines Power Partners Co., LTD.	Masinloc, Zambales	10	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Secured GIS on June 2, 2015;	TBD	TBD
Indicative	AES Battery Storage - Masinloc Project Unit 4	AES Philippines Power Partners Co., LTD.	Masinloc, Zambales	10	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Secured GIS on June 2, 2015;	TBD	TBD
Indicative	erhiya Central Battery Energy Storage Project	SunAsia Energy Inc.	Concepcion, Tarlac	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 8 April 2016 (DOE-EPIMB-SIS No. 2016-04-002)	TBD	TBD
Indicative	erhiya Sur I Battery Energy Storage Project	SunAsia Energy Inc.	ery and Tuy, Calaca, Batar	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 8 April 2016 (DOE-EPIMB-SIS No. 2016-04-002)	TBD	TBD
Indicative	erhiya Sur II Battery Energy Storage Project	SunAsia Energy Inc.	Lumban, Laguna	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 8 April 2016 (DOE-EPIMB-SIS No. 2016-04-002)	TBD	TBD

Total Indicative Rated Capacity: 16112.7

* Committed Project(s)

COAL
DIESEL / OIL
NATURAL GAS
GEOTHERMAL
HYDROPOWER



7760
150
2050
50
3140.28

SOLAR		1572.82
WIND		1275.4
BIOMASS		114.2
BESS		0
		16112.7
		TRUE

