

PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON)  
COMMITTED  
As of 31 December 2020

Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			3836			
Committed	GNPower Dinginin Supercritical Coal-Fired Power Plant	GNPower Dinginin Coal Plant Ltd. Co.	Mariveles, Bataan	1336	<p><b>FEASIBILITY STUDY:</b> • Completed</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b> • GNPD has secured the rights over the project site.</p> <p><b>MARKETING OF GENERATING CAPACITIES:</b> Signed contracts with a group of electric cooperatives and retail electricity supplier (RESs). On going sales and marketing to electric cooperatives, private distribution utilities, RESs and large end-users in the Luzon and Visayas grids.</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b> • Construction-related permits for the project have been obtained.</p> <p><b>ESTIMATED NUMBER OF JOBS GENERATED:</b> • During construction: around 5,060 jobs</p> <p><b>GROUND BREAKING SCHEDULES:</b> • GNPD signed an INTP with the EPC Contractor in May 2016 and began ground clearing operations thereafter. Formal NTP was issued on September 6, 2016.</p> <p><b>FINANCING ARRANGEMENTS:</b> • Aside from the \$670 million and Php7.5 Billion loan facilities, GNPD signed an additional Php22 billion loan facility on December 6, 2017, which is allocated to fund the construction of Unit 2. This represents 70.6% of the total project cost.</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b> • The plant and equipment is subcontracted through the EPC contractor to numerous Philippine and Chinese companies.</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b> • The onshore and offshore Notice to proceed were issued in September 2016; construction is currently on-going.</p> <p><b>ISSUES ENCOUNTERED RE PROJECT DEVELOPMENT:</b> Numerous technical and construction-related matters have been encountered and dealt with, as normal, during the construction program.</p> <p><b>PROJECT PROGRESS PERCENTAGE:</b> The overall project progress percentage as of May 31, 2019 is 73.49%</p>	Unit 1 - Oct 2020 Unit 2 - Feb 2021	Unit 1 - Mar 2021 Unit 2 - Jun 2021
Committed	Supercritical Pulverized Coal Thermal	Masinloc Power Partners Co, Ltd.	Masinloc, Zambales	700	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b> • Issued with SIS on 20 November 2018 (DOE-EPIMB SIS No. 2018-11-001) • Amended SIS on 6 March 2020 (DOE-EPIMB-SIS No. 2020-03-006) increasing the capacity from 3 x 335 to 3 x 350 MW</p> <p><b>FINANCING ARRANGEMENTS:</b> Completed 100% equity</p>	Nov 2023	May 2024
Committed	AOE Coal-Fired Power Plant	Atimonan One Energy	Atimonan, Quezon	1200	<p><b>FEASIBILITY STUDY:</b> Completed <b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b> Completed</p> <p><b>MARKETING OF GENERATING CAPACITIES:</b> • AE1 continues is an Energy Project of National Significance, as awarded by the DOE; • Meralco has issued a competitive selection process for 1,200 MW with a 2024 COD last July 15, 2019. A1E will participate in this CSP with Bid submission expected on September 10, 2019. PENDING.</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b> • After securing DOE Endorsement last August 11, 2015, ECC for the project site secured last October 13, 2015 (ECC-CO-1412-0029) and amended last April 25, 2018; DENR-EMB gave A1E a Certification of Project Implementation last May 22, 2020 having started site preparation construction since late 2018. • The Connection Agreement has been executed last January 4, 2017 • A1E awarded as Pioneer project by BOI last December 29, 2017 as endorsed by DOE last November 17, 2017 • A1E awarded by DOE as Certificated of Energy Project of National Significance as of September 11, 2018</p> <p><b>GROUND BREAKING SCHEDULES:</b> • Early site preparation activities ongoing while waiting for main construction to start, subject to securing PSA/s for its capacity.</p> <p><b>FINANCING ARRANGEMENTS:</b> Completed</p> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b> Completed</p> <p><b>COMMENCEMENT OF CONSTRUCTION:</b> • Securing PSA/s (with ERC approval/s) is key to being able to proceed with the full-swing construction of the plant. PENDING. • However, early site preparation works have started to help preserve target schedule- River Culverting and Mountain Cutting ongoing. Engineering design and review for the boiler and turbine has started.</p> <p><b>ISSUES ENCOUNTERED RE PROJECT DEVELOPMENT:</b> • Delays in securing regulatory-approved PSA/s (more than 2 years), including Supreme Court decision which effectively nullified A1E's previously negotiated PSA, contributing further to the delay. PENDING.</p>	Unit 1 - Dec 2023 Unit 2 - TBD	Unit 1 - Jun 2024 Unit 2 - TBD

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Committed	RPEI Coal-Fired Power Plant	Redondo Peninsula Energy, Inc.	Sitio Naglatore, Cawag, Subic Bay Freeport Zone	600	<p><b>FEASIBILITY STUDY:</b> Completed</p> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b></p> <ul style="list-style-type: none"> <li>Project Site secured and under possession of RPE</li> </ul> <p><b>MARKETING OF GENERATING CAPACITIES:</b></p> <ul style="list-style-type: none"> <li>Started discussions with the Manila Electric Company for sale of power <ul style="list-style-type: none"> <li>52% owned by Meralco PowerGen Corp. (MPGC)</li> </ul> </li> <li>225 MW PSA with MERALCO &amp; 75 MW with Abotit Energy Services Inc.</li> <li>Awaiting ERC approval of the PSA - Techno-commercial evaluation completed.</li> </ul> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Amended ECC (3rd Amendment) secured last 15 November 2012</li> <li>The Connection Agreement has been executed last October 24, 2014.</li> </ul> <ul style="list-style-type: none"> <li>Execution after completion of NGCP's review of the revised System Impact Study and Facilities Study prepared by RPE</li> <li>NGCP's application to ERC for approval of Transmission Asset has been completed and is currently awaiting decision. <ul style="list-style-type: none"> <li>RPE's application to the ERC for the Connection Asset has been deemed sufficient in form and substance <ul style="list-style-type: none"> <li>Revised System Impact Study review by NGCP completed 10 May 2012</li> <li>Any further development dependent on Supreme Court decision on Writ of Kalikasan case; <ul style="list-style-type: none"> <li>Public consultations conducted in Subic on 29 June 2012</li> <li>Site Preparation completed in 2013;</li> </ul> </li> </ul> </li> </ul> </li> <li>Target Commencement of Construction will be Dependent on Supreme Court decision on Writ of Kalikasan Case</li> </ul> <p><b>FINANCING ARRANGEMENTS:</b></p> <ul style="list-style-type: none"> <li>Project cost Php50B / \$1.2B; Financing agreements executed as of Decemebre 2016. Currently under suspension due to ERC delay in PSA Approval</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>EPC contract lapsed in January 2018 due to long delay in obtaining PSA approval.</li> </ul>	TBD	TBD
	Oil-Based			311.04			
Committed	Ingrid Piliia Diesel Power Plant	Ingrid Power Holdings, Inc. (Formerly AC Energy Devco, Inc.)	Piliia, Rizal	300	<p><b>FEASIBILITY STUDY</b></p> <ul style="list-style-type: none"> <li>Completed</li> </ul> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND</b></p> <ul style="list-style-type: none"> <li>Site Lease Agreement was signed March 23, 2018 – Effective starting April 1, 2018</li> </ul> <p><b>MARKETING OF GENERATING FACILITIES</b></p> <ul style="list-style-type: none"> <li>AC Energy RES and/or NGCP Ancillary Service</li> </ul> <p><b>PERMITS AND REGULATORY REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>SIS- clearance from DOE issued on 1 Aug 2017 under AC Energy</li> <li>System Impact Study completed and approved on 24 Jan 2019</li> <li>Facility Study completed and submitted to NGCP for approval 29 Jan 2019</li> <li>BIR Registration – Sep 28, 2018; BIR ATRIG for Transformer Oil – Jul 30, 2020</li> <li>BOC Certificate of Registration – Mar 19, 2020; DENR Environmental Compliance Certificate – Feb 26, 2019</li> <li>DENR Tree Cutting Permits – Dec 18, 2019; Jan 15, 2020; Feb 7 2020; Mar 12, 2020; DOE Certificate of Endorsement – Jul 1, 2019</li> <li>DPWH Excavation Permit – Nov 6, 2019</li> <li>LLDA Clearance – Apr 22, 2019</li> <li>LGU Business Permit (Makati Office) – 2020</li> <li>LGU Zoning Certificate (as Industrial Land) – May 25, 2018</li> <li>LGU Development Permit – Jul 28, 2020; LGU Endorsement, Barangay – Mar 20, 2018</li> <li>LGU Endorsement, Municipal – Aug 13, 2019; LGU Endorsement, Provincial – Jul 6, 2020</li> <li>NCIP Certificate of Non-Overlap – Feb 27, 2019</li> <li>NGCP System Impact Study Approval – Jan 24, 2019</li> <li>INGCP Facilities Study Approval – Apr 12, 2019 (ongoing approval of re-run)</li> <li>PCA Tree Cutting Permit – Jun 11, 2020</li> <li>SEC Registration – Jun 7, 2018</li> <li>Pending approval/signing: <ul style="list-style-type: none"> <li>ERC Point-to-Point Application</li> <li>NGCP Connection Agreement</li> </ul> </li> </ul> <p><b>FINANCING ARRANGEMENTS</b></p> <ul style="list-style-type: none"> <li>100% Equity</li> <li>Project Cost Php1.5 Billion</li> </ul>	Dec 2019	Phase 1 - Jun 2021 Phase 2 - Jun 2024
Committed	SPC - Tarlac Bunker Fired Power Plant	Supreme Power Corp.	Capas, Tarlac	11.04	<p><b>FEASIBILITY STUDY</b></p> <ul style="list-style-type: none"> <li>Completed</li> </ul> <p><b>ARRANGEMENT FOR SECURING THE REQUIRED LAND</b></p> <ul style="list-style-type: none"> <li>SPC already bought a lot with an area of 10,000 square meters</li> </ul> <p><b>MARKETING OF GENERATING FACILITIES</b></p> <ul style="list-style-type: none"> <li>Build-Operate-Transfer (BOT) to Davao Oriental Electric Cooperative, Inc. for 15 Years Cooperation Period</li> </ul> <p><b>PERMITS AND REGULATORY REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>ECC is already issued, with ECC No. ECC-OL-R11-2018-0201</li> <li>Issued with SIS 7 June 2018 (DOE-EPIMB-SIS No. 2018-06-002)</li> </ul> <p><b>FINANCING ARRANGEMENTS</b></p> <ul style="list-style-type: none"> <li>To be financed by DBP on a 80:20 DE Ratio</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS</b></p> <ul style="list-style-type: none"> <li>Start of construction September 2019</li> </ul>	Dec 2019	Aug 2021

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	NATURAL GAS			3500			
Committed	EWC CCGT Power Plant	Energy World Corporation	Brgy. Ibabang Polo, Grande Island, Pagbilao, Quezon	650	<p><b>FEASIBILITY STUDY:</b></p> <ul style="list-style-type: none"> <li>Completed</li> </ul> <p><b>'ARRANGEMENT FOR SECURING THE REQUIRED LAND:</b></p> <ul style="list-style-type: none"> <li>Land is already secured with a long lease entered into since 2007</li> </ul> <p><b>MARKETING OF GENERATING CAPACITIES:</b></p> <ul style="list-style-type: none"> <li>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 <ul style="list-style-type: none"> <li>100% WESM</li> </ul> </li> </ul> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>GIS for 300MW issued by NGCP on 8 August 2013 and revised on 3 July 2013 for 600MW</li> <li>Issued DOE Endorsement for Revised Capacity on 3 July 2013;</li> <li>Revised DOE clearance for GIS submitted to NGCP on January 2014</li> <li>GIS from NGCP for the 600MW was released on August 2014;</li> </ul> <p>• 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;</p> <ul style="list-style-type: none"> <li>On-going processing of ECC for power plant</li> </ul> <p><b>FINANCING ARRANGEMENTS:</b></p> <ul style="list-style-type: none"> <li>Financial Arrangement Secured</li> <li>Syndicated Loan</li> <li>Project Cost:\$300M</li> <li>Signing of loan agreement last 18 Sep 2015</li> <li>The project has been fully funded by equity up to this point.</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Two units of 200MW Siemens Gas Turbine, Generator and Ancillary has been installed, and are substantially complete.</li> <li>The foundation for the 250MW steam turbine is built and the equipment has been manufactured.</li> </ul> <p><b>COMMENCEMENT OF CONSTRUCTION:</b></p> <ul style="list-style-type: none"> <li>December 2013</li> <li>Completed</li> </ul>	Dec-2022	Dec-2022
Committed	Ilijan LNG Power Plant	Excellent Energy Resources Inc. (EERI)	Batangas	1,750	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued with SIS on 27 August 2020 (DOE-EPIMB-SIS NO. 2020-08-016);</li> </ul>	Jun 2023	Phase 1: Mar 2023 Phase 2: Jun 2024
Committed	Natural Gas-Fired Power Plant	Batangas Clean Energy, Inc.	Pinamucan Ibaba, Batangas City	1100	<p><b>FEASIBILITY STUDY:</b> Ongoing</p> <p><b>MARKETING OF GENERATING CAPACITIES:</b> • Ongoing</p> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued with SIS on 29 October 2019 (DOE-EPIMB-SIS No. 2019-10-006)</li> </ul> <p><b>FINANCING ARRANGEMENTS:</b></p> <ul style="list-style-type: none"> <li>Secured Letters of Interest to finance the Project from major Philippine banks</li> <li>Secured proposal from PNB Capital to act as Mandated Lead Arranger and Bookrunner for the financing for the Project</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Shortlisted EPC contractors proposal review is ongoing.</li> <li>EPC Contracts targeted to be awarded in Q1 2021</li> </ul> <p><b>COMMENCEMENT OF CONSTRUCTION:</b></p> <ul style="list-style-type: none"> <li>Commencement of Construction by Q3 2021; 15% Project Development works as of 30 August 2020</li> </ul>	Mar 2025	Dec 2025

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	<b>GEOTHERMAL</b>				90		November 2020
Committed	Bacman Botong - Rangas Geothermal Project	Energy Development Corporation	Bacon District, Sorsogon, Sorsogon City	20	<p><b>FEASIBILITY STUDY:</b></p> <ul style="list-style-type: none"> <li>On-going Feasibility Study</li> </ul> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>DDE Service Contract within GRESC # 2009-10-003</li> <li>LGU endorsement, Land Use Permits, and DENR-ECC obtained</li> <li>Permits for the TCP and Water Rights are on-going;</li> <li>Turnkey Contract pending result of feasibility study</li> </ul> <p><b>FINANCING ARRANGEMENTS:</b></p> <ul style="list-style-type: none"> <li>Project cost is subject to the result of the feasibility study</li> </ul> <p><b>COMMENCEMENT OF CONSTRUCTION:</b></p> <ul style="list-style-type: none"> <li>Target commencement of construction on 1st half of 2015</li> </ul>	Nov 2021	Dec 2021
Committed	Bacman 3 (Tanawon) Geothermal Project	Energy Development Corporation	Guinlajan, Sorsogon	20	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>DDE Service Contract within GRESC # 2009-10-003;</li> <li>LGU endorsement</li> <li>Land Use Permits,</li> <li>DENR-ECC</li> <li>Water Rights obtained;</li> <li>Turnkey Contract pending result of feasibility study under negotiation;</li> <li>Submitted Declaration of Commerciality (DOC) on 17 June 2014, evaluation by DOE of the DOC is still on-going;</li> </ul> <p><b>FINANCING ARRANGEMENTS:</b></p> <ul style="list-style-type: none"> <li>Project to be finance by EDC;</li> <li>Project cost estimated \$140M-180M</li> </ul>	Nov 2023	Dec 2023
Committed	Maibarara3 Geothermal Power Project	Maibarara Geothermal, Inc.	Laguna/Batangas	20	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued with SIS 5 April 2019 (DOE-EPIMB-RE-SIS No. 2019-03-002)</li> </ul>	Nov 2025	Dec 2025
Committed	Kayabon Geothermal Project	Energy Development Corporation	Manito, Albay	30	<p><b>FEASIBILITY STUDY:</b></p> <ul style="list-style-type: none"> <li>On-going Feasibility Study</li> </ul> <p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>On-going Feasibility Study and resource assessment;</li> <li>DDE Service Contract within GRESC # 2009-10-003</li> <li>LGU endorsement</li> <li>DENR-ECC, and Water Rights obtained</li> <li>On-going application for land-use permits and negotiations with lot owners</li> <li>On-going application for SLUP and TCP permits</li> <li>Clearance to Undertake GIS from DOE issued on 7 October 2011</li> </ul> <p><b>FINANCING ARRANGEMENTS:</b></p> <ul style="list-style-type: none"> <li>Project cost is subject to the result of the feasibility study</li> </ul> <p><b>COMMENCEMENT OF CONSTRUCTION:</b></p> <ul style="list-style-type: none"> <li>Target commencement of construction on 2nd half of 2017</li> </ul>	Nov 2026	Dec 2026
	<b>HYDROPOWER</b>				52.9		
Committed	Biyao	AV Garcia Power Systems Corp.	Balbalan, Kalinga	0.8	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of Commerciality on 01 August 2014</li> <li>Submission of lacking requirements e.g. permits in progress</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Construction Progress (Pre-construction - 0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014</li> <li>Ongoing construction</li> </ul>	Nov 2021	Dec 2021
Committed	Laguio Malaki 1	Enervantage Suppliers Co., Inc.	Mauban, Quezon	1.6	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of commerciality on 9 October 2015;</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Pending submission of requirements for under development stage</li> </ul>	Nov 2021	Dec 2021
Committed	Matuno 2 HEPP	(Matuno River Development Corporation ) Smith Bell Mini-Hydro Corporation	Bambang, Nueva Vizcaya	8	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued with SIS on 19 March 2018 (DOE-EPIMB-SIS No.2018-02-006)</li> </ul>	Nov 2021	Dec 2021
Committed	Colasi	Colasi Mini Hydro Electric Power Plant Corporation	Mercedes, Camarines Norte	1	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Submission of lacking requirements e.g. permits in progress</li> <li>Clearance to Undertake GIS from DOE issued on 3 December 2012</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>On-going rehabilitation</li> </ul>	Nov 2021	Dec 2021

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Committed	Labayat River (Upper Cascade)	Repower Energy Development Corporation	Real, Quezon	3	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of Commerciality on 8 January 2016</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Ongoing pre-construction activities</li> </ul>	Nov 2021	Dec 2021
Committed	Butao	Mindoro Grid Corporation	San Manuel, Pangasinan	1.3	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Clearance to Undertake SIS (EPIMB SIS No. 2019-10-004) issued on 23 October 2019</li> </ul>	Nov 2021	Dec 2021
Committed	Man-Asok	Benguet Electric Cooperative	Buguias, Benguet	3	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of commerciality on 22 September 2015;</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Pending submission of requirements for under development stage</li> </ul>	Nov 2021	Dec 2021
Committed	Lalawinan Mini-Hydro Power Project	Repower Energy Development	Real, Quezon	3	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of commerciality on 29 December 2015;</li> <li>Issued with SIS on 5/28/2015</li> </ul>	Nov 2021	Dec 2021
Committed	Tubao	Tubao Mini-Hydro Electric Corporation	Tubao, La Union	1.5	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of Commerciality on 19 March 2015</li> </ul> <p><b>GROUND BREAKING SCHEDULES:</b></p> <ul style="list-style-type: none"> <li>Ground breaking held on 8 November 2014</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Pending submission of requirements for construction</li> </ul>	Nov 2022	Dec 2022
Committed	Tibag	Repower Energy Development	Real, Quezon	4.40	<p>Issued Commerciality on 9 March 2016. Ongoing pre-construction activities.</p>	Nov 2022	Dec 2022
Committed	Rangas	Clean and Green Energy Solutions, Inc.	Goa & Tigaon, Camarines Sur	1.5	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Submission of lacking requirements e.g. permits in progress</li> </ul>	Nov 2022	Dec 2022
Committed	Dupinga Hydroelectric Power Project	Constellation Energy Corporation	Gabalton, Nueva Ecija	3	<p><b>PERMITS AND OTHER REGULATORY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>Issued Confirmation of Commerciality on 26 June 2013 <ul style="list-style-type: none"> <li>Already secured LGU Endorsements</li> <li>DENR Environmental Compliance Certificate</li> <li>NCIP Certificate of Compliance, and NWRB Permit</li> <li>Submitted Feasibility Study and 5-Yr Work Plan</li> </ul> </li> <li>Submission of lacking requirements e.g. permits in progress</li> </ul> <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"> <li>Issued confirmation of Commerciality on 26 June 2013 e.g. permits in progress</li> </ul> <p><b>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>Construction Progress (Pre-construction -0%, Construction-0%, Interconnection-0%) completed as of 30 September 2014</li> </ul>	Nov 2023	Dec 2023
Committed	Piapi	Repower Energy Development	Mauban, Quezon	3.30	<p>Issued Commerciality on 9 March 2016. Ongoing pre-construction activities.</p>	Nov 2023	Dec 2023

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Committed	Ollicon HEPP	SN Aboitiz Power- Ifugao	Lagawe, Ifugao	10	<p>FEASIBILITY STUDY: • Completed Pre-FS</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • 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</p>	Nov 2024	Dec 2024
Committed	Ibulao I Hydroelectric Power Project	Kiangan Mini-Hydro Corporation	Kiangan, Ifugao	6	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 28 December 2015 (DOE-EPIMB-SIS No. 2015-12-003)</p>	Nov 2025	Dec 2025
Committed	Tignoan River (Upper Cascade) HEP	Repower Energy Development Corp	Real, Quezon	1.5	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with GIS on 8 May 2017 (DOE-EPIMB-SIS No. 2017-04-004)</p>	Nov 2025	Dec 2025
	BIOMASS			13.2			
Committed	HEC Rice Husk-Fired Biomass Power Plant Project	Hypergreen Energy Corporation	Bulacan	12	<p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Ongoing testing as of October 2020</p>	Dec 2020	Mar 2021
Committed	FQBC Biogas Power Plant Project	First Quezon Biogas Corporation	Quezon	1.2	<p>CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • On-going construction</p>	Nov 2021	Dec 2021
	SOLAR			408.57			
Committed	San Miguel Solar Power Plant	Powersource First Bulacan Solar Inc.	San Miguel, Bulacan	80.91	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 19 September 2017 (DOE-EPIMB-SIS No. 2017-09-002); *COCOC issued on 11 December 2019 with COCOC No. SCC-2019-11-086;</p>	Jan 2021	Jan 2021
Committed	ELPI Pasuquin Solar Power Plant Project	Energy Logics Philippines, Inc. (ELPI)	Pasuquin, Ilocos Norte	100	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • SIS from NGCP • Certificate of Financial Closing</p>	Feb 2021	Mar 2021
Committed	Bulacan 2 Solar Power Project	Cleantech Global Renewables, Inc.	San Ildefonso, Bulacan	22	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 23 January 2020 (DOE-EPIMB-SIS No. 2020-01-016); *COCOC issued on 11 December 2019 with COCOC No. SCC-2019-11-086; *SESC No. 2016-08-327 was awarded on 08 February 2017.</p>	Nov 2020	Mar 2021
Committed	Bataan Solar Power Project	Jobin-Sqm Inc.	Morong and Hermosa, Bataan	67.66	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with Solar Energy Service Contract (SESC No. 2013-10-039) on 30 October 2013; • Certificate of Commerciality No. SCC- 2015-09-021 dated 28 August 2015;</p> <p>CONSTRUCTION: • On-going construction (see FIT Monitoring Board)</p>	Jun 2021	Jun 2021
Committed	Concepcion 1 Solar Power Project	Solar Philippines Tarlac Corporation	Concepcion, Tarlac	15	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2017-07-442-AF1) on 15 Aug 2017 • Certificate of Commerciality No. SCC-2017-11-062 dated 06 Dec 2017 • ERC granted interim relief of the PSA between MERALCO and SPTC (PHP 2.9999 per kWh - without escalation)</p>	Dec 2020	Dec 2021
Committed	Sta. Rosa Solar Power Project	Terasu Energy Inc.	Concepcion, Tarlac	40	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: *SEOC awarded on 06 Oct 2020 with SEOC No. 2020-02-567  *With approved SIS per Progress Report of TEI on 30 June 2020</p>	Dec 2021	Jan 2022
Committed	Tarlac Solar Power Project Phase 2	Petrosolar Corporation	Tarlac City	20	<p>With awarded SESC No.2015-10-268 and approved COCOC</p>	Nov 2022	Dec 2022

PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON)

COMMITTED  
As of 31 December 2020

Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
Committed	Gigasol3 Solar Power Project	GIGASOL3, INC.	Brgys. Salaza and Cauyan, Palauig, Zambales.	63	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 27 March 2020 (DOE-EPIMB-SIS No. 2020-03-013)                      PROJECT PROGRESS PERCENTAGE:                      • Around 59.11% as of October 2020.</p>	Nov 2022	Dec 2023
	Wind			132			
Committed	Pasquin Wind Power Project	Energy Logics Philippines, Inc.	Pasquin, Ilocos Norte	132	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 6 March 2020 (DOE-EPIMB-SIS No. 2020-03-001)</p>	Jun 2021	Sep 2021

**Total Committed Rated Capacity 8,343.7**

Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	BESS			400			
Committed	Laoag Battery Energy Project	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Laoag, Ilocos Norte	40	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-001)</p>	Dec 2021	Dec 2021
Committed	Pampanga Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Mexico, Pampanga	40	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-001)</p>	Dec 2021	Dec 2021
Committed	Navotas Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Navotas City, Metro Manila	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-002)</p>	Dec 2021	Dec 2021
Committed	Limay Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Limay, Bataan	40	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-001)</p>	Dec 2021	Dec 2021
Committed	Albay Battery Energy Project	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Daraga, Albay	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-005)</p>	Dec 2021	Dec 2021
Committed	San Manuel / San Roque Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	San Roque / San Manuel	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-001)</p>	Dec 2021	Dec 2021
Committed	Gamu Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Gamu, Isabela	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-002)</p>	Dec 2021	Dec 2021
Committed	San Rafael Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	San Rafael, Bulacan	20	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:                      • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-002)</p>	Dec 2021	Dec 2021

PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON)  
COMMITTED  
As of 31 December 2020

Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
Committed	Magapit Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Magapit, Cagayan	20	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-002)	Dec 2021	Dec 2021
Committed	Concepcion Battery Energy Storage System	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Concepcion, Tarlac	20	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 20 June 2019 (DOE-EPIMB-SIS NO. 2019-06-006)	Dec 2021	Dec 2021
Committed	Angat Battery Energy Project	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Angat, Bulacan	20	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-001)	Jan 2022	Jan 2022
Committed	Isabela Battery Energy Project	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Isabela	20	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-001)	Jan 2022	Jan 2022
Committed	Masinloc Battery Energy Storage	Universal Power Solutions Inc. (formerly: SMCGP Philippines Energy Storage Co. Ltd./Limay Power Generation Corporation)	Masinloc, Zambales	20	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 13 June 2019 (DOE-EPIMB-SIS NO. 2019-06-002)	Jan 2022	Jan 2022
Indicative	La Trinidad RHUB	Universal Power Solutions Inc.	La Trinidad, Benguet	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 21 September 2020 (DOE-EPIMB-SIS No. 2020-09-006); On-going application for ECC, SIS and BOI registration	Dec 2022	Dec 2023
Indicative	Alaminos Battery Energy Storage	GIGA ACE 4, INC.	Alaminos, Pangasinan	40	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued with SIS on 20 March 2020 (DOE-EPIMB-SIS No. 2020-03-009)	TBD	TBD

SUMMARY - COMMITTED PROJECTS (LUZON)

	MW	% Share
COAL	3,836.0	46.0%
OIL-BASED	311.0	3.7%
NATURAL GAS	3,500.0	41.9%
RENEWABLE ENERGY	696.7	8.3%
GEOTHERMAL	90.0	1.1%
HYDROPOWER	52.9	0.6%
BIOMASS	13.2	0.2%
SOLAR	408.6	4.9%
WIND	132.0	1.6%
	0.0	0.0%
<b>TOTAL</b>	<b>8,343.7</b>	
BESS	400	