

PRIVATE SECTOR INITIATED POWER PROJECTS (VISAYAS)
COMMITTED
As of 31 October 2018

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			435			
Committed	Therma Visayas Energy Project	Therma Visayas Inc.	Brgy. Bato, Toledo City, Cebu	300	<p>Feasibility Studies, Permits and Other Regulatory Requirements -GIS-clearance from DOE issued on 16 June 2012 (GIS study-approved) -ECC issued last May 2013 -BOI-registered - July 23, 2014 - SAPA issued for foreshore development works for coal jetty -Site feasibility - completed on May 2015 -Land Acquisition for Completion -Applied CAAP Height Clearance permit -Transmission EPC has been awarded</p> <p>Contracts for Plant and Equipment -EPC Contract awarded last 30 May 2014</p> <p>Financial Arrangements -Self-funded with on-going negotiations with financing institutions; awaiting closure; March 2016 - 3rd draw down; 4th draw Partial on 2 May 2016; 5th drawdown is scheduled on Aug 2016; 6th Drawdown on Dec 2016 -Project cost is Php23B</p> <p>Off-Takers -On-going discussions with target off-takers</p> <p>Contracts for Plant and Equipment -EPC Contract awarded to Hyundai Engineering Co., Ltd. and Galing Power & Energy Co., Inc. last May 30, 2014</p> <p>Project Progress - May 2015-site development works completed -Aug 2015-Piling works for the Coal Unloading Jetty commenced -Construction completion at 91.59% as of 25 January 2017</p>	September 2018	Unit 1: December 2018 Unit 2: 1st Q 2019
Committed	Palm Concepcion Coal-Fired Power Plant	Palm Concepcion Power Corp. (Formerly DMCI Concepcion Power Corp.)	Brgy. Nipa, Concepcion, Iloilo	135	<p>Feasibility Studies, Permits and Other Regulatory Requirements -Feasibility Study completed - March 2006 -Environmental Impact Statement – June 2006 -Hydrology and Flood Release Analyses and Geotechnical Earthquake Risk Analysis – Jun 2011 -Geotechnical Foundation & Engineering Geological Investigations – Jun 2011 -Geotechnical Foundation and Geohazards Risk Investigations – Aug 2011 -Market Study of the Power Requirements in the Visayas -Final SIS Report from NGCP received on July 17, 2012 -More confirmatory studies done</p> <p>-DAR Conversion Order-Sept 2008; SEC-22 Nov 2010; DENR Final SIS Report-approved by NGCP on 17 July 2012 BOI-amended 02 Oct 2012; Connection Agreement with NGCP-01 Oct 2012; ECC-03 June 2013; NCIP- issued by DOE on 03 June 2014 for Unit 1; Appraisal Report for the PPA/MLA from the DENR Regional Director-Oct 2014; Endorsements from LGUs and local permits secured; Necessary land requirements secured</p> <p>Financial Arrangements -24 July 2013-Financial Closure Secured -Project cost is Php26.356B -6th Drawdown on December 2016</p> <p>Construction Contracts for Plant and Equipment -Signed and awarded various contracts</p>	Unit II - June 2018	Unit II - December 2018
	OIL			78			
Committed	CENPRI Diesel Power Plant	Central Negros Power Reliability, Inc.	Brgy. Calumangan, Bago City, Negros Occidental	8	<p>Feasibility Studies, Permits and Other Regulatory Requirements -Feasibility Study-completed -Environmental Impact Assessment Study-Sept 2012 -DOE: w/ MOA and COE - 100%</p> <p>-ERC: Approval of Supply Agreement - Provisional Approval dated 10 Nov 2014 - 100%; COC - 95%; Occular inspection conducted on Feb 3-5, 2016; Authority to develop and own or operate dedicated point-to-point limited transmission facilities - 100%; Approved by ERC on Oct. 29, 2015 -Brgy. Calumangan Endorsement -01 September 2012 -DENR: ECC - 21 Nov 2013; PTO - 100%; Provisional PTO pending conduct of emission test -PEMC: Application for WESM Direct Membership - 29 Jan 2015; required submission of various documents mostly from NGCP and some for ERC - 100%</p> <p>-NGCP issued Certificates of Approval to Connect (40MVA Substation-13 Nov 2015; 100m Line-04 Nov 2015; Unit 2 5MW-22 Jan 2016); Connection, Transmission & Metering Service Agreement - signed and transmitted back to NGCP10 Feb 2016 for signature</p> <p>Off-Takers -70% of dependable capacity contracted to CENECO</p> <p>Financial Arrangements Financially Closed</p> <p>Contracts for Plant and Equipment -100 % Secured</p> <p>Project Progress - Dec 2013-Commencement of Construction</p> <p>ISSUES ENCOUNTERED RE: PROJECT DEVELOPMENT -Adverse climatic conditions, transportation interruption or delays, port congestion, general shortage of materials that affected construction and transport of engines and equipment from port of origin to plant site in Bago City and the perplexing bureaucracy and processes that affected and delayed grid connectivity</p>	Unit 5 - May 2018	Unit 5 - December 2018

Committed	Modular Diesel Ancillary Service Power Plant	Isabel Ancillary Services Co. Ltd. (Formerly Marubeni Diesel Genset Facility)	Isabel, Leyte	70	<ul style="list-style-type: none"> • Completed <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND</p> <ul style="list-style-type: none"> • Terms and Land Lease Agreement with National Development Government (NDC) already finalized; Landlease Agreement with NDC has been executed <p>MARKETING OF GENERATING CAPACITIES</p> <ul style="list-style-type: none"> • All generating capacity is to be dedicated to provide Ancillary Services to the National Grid Corporation of the Philippines (NGCP). Terms of the Ancillary Services Procurement Agreement with NGCP are near to finalization. To be executed upon the completion of Accreditation Test, which is expected on April 2019. <p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Issued with GIS on 25 May 2016 (DOE-EPIMB-SIS No. 2017-05-007) • ECC- Application to amend the existing ECC on process, currently under review by DENR, expected by November 2018 • SIS- SIS approved by NGCP. • Facility Study - Approved by NGCP. <p>FINANCIAL ARRANGEMENT</p> <ul style="list-style-type: none"> • Finance to be provided through equity contribution by the parent companies; Marubeni Corporation and Desco Inc. 	April 2019	July 2019
GEOHERMAL				50			
Committed	Biliran Geothermal Plant Project	Biliran Geothermal Incorporated	Biliran, Biliran	50	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -Geothermal Service Contract from DOE-obtained -ECC-secured for the proposed Geothermal Exploration Drilling and Biliran Power Plant Project on December 06, 2012 and August 23, 2013, respectively. -Confirmation of Commerciality-obtained from DOE on 28 December 2014 <p>Financial Arrangements</p> <ul style="list-style-type: none"> -Memorandum of Understanding by and among Envent Holdings Philippines, Inc. (EHPI) and Philippine Associated Smelting and Refining Corp. (PASAR) signed on May 10, 2013 <p>Project Cost US\$ 208.021 M</p>	October 2018	Unit 1 (5 MW) - December 2018 Unit 2 (5 MW) - March 2019 Unit 3 (7 MW) - July 2021 Unit 4 (11 MW) - November 2022 Unit 5 (14 MW) - January 2023 Unit 6 (7 MW) - July 2023
HYDROPOWER				23.1			
Committed	Igbulo (Bais) Hydroelectric Power Project	Century Peak Energy Corporation	Igaras, Iloilo	5.1	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 26 June 2013 - GIS-issued by DOE on 14 August 2013 - Ongoing submission of other reportorial requirements <p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Construction 	November 2019	December 2019
Committed	Timbaban	Oriental Energy and Power Generation Corporation	Madalag, Aklan	18.0	Issued Confirmation of Commerciality on 28 May 2013; Ongoing construction of hydro facilities	November 2019	December 2019
SOLAR				1.19			
Committed	Kalibo Solar Power Project	Solar Pacific Citysun Corporation	Kalibo, Aklan	0.22	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with RE Service Contract (SESC No. 2016-06-312) on 07 Nov 2016 • Certificate of Commerciality No. SCC-2018-03-064 dated 23 May 2018 • On-going construction 	August 2018	December 2018
Committed	Kabankalan Solar Power Project	Solar Pacific Citysun Corporation	Kabankalan City , Negros Occidental	0.61	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with RE Service Contract (SESC No. 2016-06-317) on 07 Nov 2016 • Certificate of Commerciality No. SCC-2018-03-066 dated 23 May 2018 • On-going construction 	'August 2018	December 2018
Committed	Boracay Solar Power Project	Solar Pacific Citysun Corporation	Malay , Aklan	0.36	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with RE Service Contract (SESC No. 2016-06-312) on 07 Nov 2016 • Certificate of Commerciality No. SCC-2018-03-065 dated 23 May 2018 • On-going construction 	'August 2018	December 2018
WIND				0			
BIOMASS				178.58			
Committed	VMC Cogeneration Power Plant Project	Victorias Milling Company, Inc.	Victoria, Negros Occidental	40	<p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Construction 	October 2018	December 2018
Committed	SCBI Multi-Feedstock Biomass Power Plant Project	San Carlos Biopower, Inc.	Negros Occidental	20	<p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Construction 	June 2018	December 2018
Committed	HPC Cogeneration Power Plant Project	Hawaiian-Philippine Company	Negros Occidental	20.58	<p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Testing and Commissioning 	2018	December 2018
Committed	BISCOM Cogeneration Power Plant Project	BISCOM, Inc.	Binalbagan, Negros Occidental	48	<p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Construction 	November 2018	December 2018
Committed	Bais Bagasse-Fired Cogeneration Power Plant Project	Central Azucarera de Bais	Calasagan, Bais City, Negros Occidental	25	<p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Construction 	November 2018	December 2018
Committed	SNBI Cane trash-Fired Biomass Power Plant Project	South Negros BioPower, Inc.	Negros Occidental	25	<p>Project Progress</p> <ul style="list-style-type: none"> -Ongoing Construction 	November 2019	December 2019

Total Committed Rated Capacity 765.87

* Committed Project(s)

COAL		435
OIL		78
GEOTHERMAL		50
HYDROPOWER		23.1
WIND		0
SOLAR		1.19
BIOMASS		178.58
		765.87
		TRUE
		765.87