

PRIVATE SECTOR INITIATED POWER PROJECTS (VISAYAS)

COMMITTED

As of 31 December 2017

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</p> <ul style="list-style-type: none"> -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>Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -EPC Contract awarded last 30 May 2014 <p>Financial Arrangements</p> <ul style="list-style-type: none"> -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>Off-Takers</p> <ul style="list-style-type: none"> -On-going discussions with target off-takers <p>Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -EPC Contract awarded to Hyundai Engineering Co., Ltd. and Galing Power & Energy Co., Inc. last May 30, 2014 <p>Project Progress</p> <ul style="list-style-type: none"> - 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 	January 2018	Unit 1: January 2018 Unit 2: March 2018
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</p> <ul style="list-style-type: none"> -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>-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</p> <ul style="list-style-type: none"> -24 July 2013-Financial Closure Secured -Project cost is Php26.356B -6th Drawdown on December 2016 <p>Construction Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -Signed and awarded various contracts 	Unit II - March 2018	Unit II - December 2018
	OIL			8			
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</p> <ul style="list-style-type: none"> -Feasibility Study-completed -Environmental Impact Assessment Study-Sept 2012 -DOE: w/ MOA and COE - 100% -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% -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>Off-Takers</p> <ul style="list-style-type: none"> -70% of dependable capacity contracted to CENECCO <p>Financial Arrangements</p> <ul style="list-style-type: none"> Financially Closed 	Unit 5 - February 2018	Unit 5 - March 2018

					<p align="center">Contracts for Plant and Equipment -100 % Secured</p> <p align="center">Project Progress - Dec 2013-Commencement of Construction</p> <p align="center">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 part of origin to plant site in Bago City and the perplexing bureaucracy and processes that affected and delayed grid connectivity</p>		
	GEOTHERMAL			50			
Committed	Biliran Geothermal Plant Project	Biliran Geothermal Incorporated	Biliran, Biliran	50	<p align="center">Feasibility Studies, Permits and Other Regulatory Requirements -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> <p align="center">Financial Arrangements -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> <p align="center">Project Cost US\$ 208.021 M</p>	September 2018	<p>Unit 1 (5 MW) - September 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</p>
	HYDROPOWER			103.38			
Committed	Igbulo (Bais) Hydroelectric Power Project	Century Peak Energy Corporation	Igbaras, Iloilo	5.1	<p align="center">Feasibility Studies, Permits and Other Regulatory Requirements - Confirmation of Commerciality-issued on 26 June 2013 - GIS-issued by DOE on 14 August 2013 - Ongoing submission of other reportorial requirements</p> <p align="center">Project Progress -Ongoing Construction</p>	March 2018	<p align="center">March 2018 (Target Testing and Commissioning)</p>
Committed	Timababan	Oriental Energy and Power Generation Corporation	Madalag, Aklan	18.0	<p align="center">Issued Confirmation of Commerciality on 28 May 2013; Ongoing construction of hydro facilities</p>	February 2019	<p align="center">February 2019 (Target Testing and Commissioning)</p>
Committed	Cantakoy	Quadrivier Energy Corp.	Danao, Bohol	8	<p align="center">Feasibility Studies, Permits and Other Regulatory Requirements -GIS-secured clearance from DOE on 11 July 2011</p> <p align="center">Financial Arrangement -Financial Arrangement Secured</p> <p align="center">Project Progress -Construction on-hold due to conflict with LGU</p>	December 2020	<p align="center">December 2020 (Target Testing and Commissioning)</p>
Committed	Amlan (Plant A)	Natural Power Sources Integration, Inc.	Amlan, Negros Oriental	3.2	<p align="center">Feasibility Studies, Permits and Other Regulatory Requirements - Confirmation of Commerciality-issued on 25 September 2014 -Submission of lacking requirements in progress;</p>	December 2020	<p align="center">December 2020 (Target Testing and Commissioning)</p>
Committed	Amlan (Plant C)	Natural Power Sources Integration, Inc.	Amlan, Negros Oriental	0.8	<p align="center">Feasibility Studies, Permits and Other Regulatory Requirements - Confirmation of Commerciality-issued on 25 September 2014 -Pending submission of requirements under development stage</p>	December 2020	<p align="center">December 2020 (Target Testing and Commissioning)</p>

Committed	Malugo	Vivant-Malogo Hydropower, Inc	Silay City, Negros	6	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 15 October 2014 -Submission of lacking requirements in progress 	December 2020	December 2020 (Target Testing and Commissioning)
Committed	Loboc Hydroelectric Power Project	Sta. Clara Power Corporation	Loboc, Bohol	1.2	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -Confirmation of Commerciality-issued on 3 June 2013 -Submission of lacking requirements in progress 	December 2020	December 2020 (Target Testing and Commissioning)
Committed	Caroan	Antique electric Cooperative	Sebaste, Antique	0.84	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 30 September 2015 -Submission of lacking requirements in progress <p>Project Progress</p> <ul style="list-style-type: none"> -On-going pre construction activities 	December 2020	December 2020 (Target Testing and Commissioning)
Committed	Ipayo	Antique electric Cooperative	Sebaste, Antique	0.84	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 02 October 2016 -Submission of lacking requirements in progress <p>Project Progress</p> <ul style="list-style-type: none"> -On-going pre construction activities 	December 2020	December 2020 (Target Testing and Commissioning)
Committed	Main Aklan River Hydroelectric Power Project	Sunwest Water & Electric Company, Inc.	Libacao, Aklan	15	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 19 September 2013 -Submission of lacking requirements in progress 	December 2021	December 2021 (Target Testing and Commissioning)
Committed	Ilaguen 4	Isabela Power Corporation	Echague	10	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Issued Confirmation of Commercialization on October 02, 2015 	December 2021	December 2021 (Target Testing and Commissioning)
Committed	Lower Himogaan	LGU Sagay	Sagay, Negros Occidental	4	<p>Project Progress</p> <ul style="list-style-type: none"> -On-going pre construction activities -Submission of lacking requirements e.g. permits in progress 	December 2022	December 2022 (Target Testing and Commissioning)
Committed	Bansud	Sunwest Water & Electric Company, Inc.	Bansud & Gloria, Oriental Mindoro	1.5	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Issued Confirmation of Commercialization on October 02, 2015 	December 2022	December 2022 (Target Testing and Commissioning)

Committed	Basak II	Meadowland Developers, Inc.	Badian, Cebu	0.5	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 30 April 2014 -Submission of lacking requirements e.g. permits in progress <p>Project Progress</p> <ul style="list-style-type: none"> - 16 February 2013-Groudbreaking 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Amlan (Plant B)	Natural Power Sources Integration, Inc.	Amlan, Negros Oriental	1.5	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - Confirmation of Commerciality-issued on 11 July 2014 - Submission of lacking requirements in progress; 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Hilabangan (Lower Cascade)	Century Peak Energy Corporation	Kabankalan, Negros Occidental	3	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - GIS-clearance to undertake issued by DOE on August 2013 - Confirmation of Commerciality-issued on 28 August 2013; -Submission of lacking requirements in progress 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Hilabangan (Upper Cascade)	Century Peak Energy Corporation	Kabankalan, Negros Occidental	4.8	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - GIS-clearance issued by DOE on August 2013 - Confirmation of Commerciality-issued on 28 August 2013 -Submission of lacking requirements in progress 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Maninila (Lower Cascade)	Century Peak Energy Corporation	San Remigio, Antique	4.5	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - GIS-clearance from DOE issued on August 2013 - Confirmation of Commerciality-issued on 02 October 2013 -Submission of lacking requirements in progress 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Maninila (Upper Cascade)	Century Peak Energy Corporation	San Remigio, Antique	3.1	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - GIS-clearance from DOE issued on August 2013 - Confirmation of Commerciality-issued on 02 October 2013; -Submission of lacking requirements in progress 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Sibalom (Upper Cascade)	Century Peak Energy Corporation	San Remigio, Antique	4.2	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - GIS-clearance from DOE issued on August 2013 - Confirmation of Commerciality-issued on 02 October 2013 -Submission of lacking requirements in progress 	December 2025	December 2025 (Target Testing and Commissioning)
Committed	Sibalom (Middle Cascade)	Century Peak Energy Corporation	San Remigio, Antique	4	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> - GIS-Clearance from DOE issued on August 2013 - Confirmation of Commerciality-issued on 02 October 2013; -Submission of lacking requirements in progress 	December 2025	December 2025 (Target Testing and Commissioning)

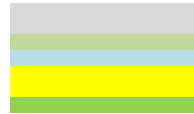
Committed	Sibalom (Lower Cascade)	Century Peak Energy Corporation	San Remigio, Antique	3.3	Feasibility Studies, Permits and Other Regulatory Requirements -GIS-Clearance from DOE issued on August 2013 -Confirmation of Commerciality issued on 02 October 2013 -Submission of lacking requirements in progress	December 2025	December 2025 (Target Testing and Commissioning)
	SOLAR			0			
	WIND			0			
	BIOMASS			178.58			
Committed	VMC Cogeneration Power Plant Project	Victorias Milling Company, Inc.	Victoria, Negros Occidental	40	Project Progress -Ongoing Construction	January 2018	January 2018 (Target Testing and Commissioning)
Committed	HPC Cogeneration Power Plant Project	Hawaiian-Philippine Company	Negros Occidental	20.58	Project Progress -Ongoing Construction	January 2018	January 2018 (Target Testing and Commissioning)
Committed	SCBI Multi-Feedstock Biomass Power Plant Project	San Carlos Biopower, Inc.	Negros Occidental	20	Project Progress -Ongoing Construction	January 2018	January 2018 (Target Testing and Commissioning)
Committed	BISCOM Cogeneration Power Plant Project	BISCOM, Inc.	Binalbagan, Negros Occidental	48	Project Progress -Ongoing Construction	December 2018	December 2018 (Target Testing and Commissioning)
Committed	Bais Bagasse-Fired Cogeneration Power Plant Project	Central Azucarera Don Pedro	Calasagan, Bais City, Negros Occidental	25	Project Progress -Ongoing Construction	December 2018	December 2018 (Target Testing and Commissioning)
Committed	SNBI Cane trash-Fired Biomass Power Plant Project	South Negros BioPower, Inc.	Negros Occidental	25	Project Progress -Ongoing Construction	December 2019	December 2019 (Target Testing and Commissioning)

Total Committed Rated Capacity

774.96

* Committed Project(s)

COAL
OIL
GEOTHERMAL
HYDROPOWER
WIND
SOLAR
BIOMASS



TRUE

774.96