

PRIVATE SECTOR INITIATED POWER PROJECTS (VISAYAS)

COMMITTED

As of 31 October 2016

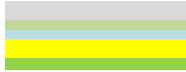
Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			285			
Committed	PEDC Expansion Project	Panay Energy Development Corporation (Global Business Power Corporation)	Brgy. Ingore, La Paz, Iloilo	150	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -ECC secured -Notice to Proceed (NTP) secured -GIS- secured clearance from DOE for 82MW on 03 March 2011 -Feasibility Study: extension to existing plant <p>Off-Takers</p> <ul style="list-style-type: none"> -Panay-Guimaras Power Supply Consortium (PPSG) - 25yr power supply deal for 24 MW -Other negotiations are ongoing and confidential -MERALCO-PEDC PSA for 70 MW of electrical output with 20 year contract, plus additional 5 years should the parties: effective 26 Aug 2016; -MERALCO-GLEDC PSA for 600 MW of electrical output <p>Financial Arrangements</p> <ul style="list-style-type: none"> - 26 March 2015 - PEDC signed a Php11B loan to 6 Financial Institutions -Project cost is Php6.199B (FS submitted on 10/19/2015) <p>Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -June 2014 - Turnover of project site to Formosa Heavy Industries -EPC Contractors: Formosa Heavy Industry Poyry Energy <p>Commencement of Construction</p> <ul style="list-style-type: none"> -Construction started last August 14, 2014; <p>Project Progress</p> <ul style="list-style-type: none"> -07 March 2014 – Ground Breaking -Overall Progress: 72.8% completed vs. 74.8% Planned (as of January 2016) -Overall Progress: 80.6% completed vs 82% Planned (as of Feb 29 2016) 	July 2016 (Ongoing Testing and Commissioning)	November 2016
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 <p>Construction Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -Signed and awarded various contracts <p>Project Progress</p> <ul style="list-style-type: none"> -15 Jan 2013-Ground Breaking -18 July 2013-Commencement of Construction for 1st Unit -Feb 2016 - Transmission is 100% completed -Overall Progress: 96.80% completed vs. 95.67% planned (as of 31 Jan 2016) 	Unit II - March 2018 (will still be firmed up)	Unit II - December 2018
	OIL			8			

Committed	Calumangan Diesel Power Plant	Energreen Power Development & Management, 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% <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</p> <ul style="list-style-type: none"> -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 SMW-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 CENECO <p>Financial Arrangements</p> <ul style="list-style-type: none"> Financially Closed <p>Contracts for Plant and Equipment</p> <ul style="list-style-type: none"> -100 % Secured <p>Project Progress</p> <ul style="list-style-type: none"> - Dec 2013-Commencement of Construction <p>ISSUES ENCOUNTERED RE: PROJECT DEVELOPMENT</p> <ul style="list-style-type: none"> -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 	4 - 8 MW October 2016	4 - 8 MW November 2016
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</p> <ul style="list-style-type: none"> US\$ 208.021 M 	October 2016	<p>Phase 1 - Oct 2016</p> <p>Phase 2 - Nov 2016</p> <p>Phase 3 - July 2017</p> <p>Phase 4 - Nov 2017</p>
HYDROPOWER				13.1			
Committed	Igbulo (Bais) Hydroelectric Power Project	Century Peak Energy Corporation	Igbaras, 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 	June 2018	June 2018 (Target Testing and Commissioning)
Committed	Cantakoy	Quadriver Energy Corp.	Danao, Bohol	8	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -GIS-secured clearance from DOE on 11 July 2011 <p>Financial Arrangement</p> <ul style="list-style-type: none"> -Financial Arrangement Secured <p>Project Progress</p> <ul style="list-style-type: none"> -Construction on-hold due to conflict with LGU 	June 2018	June 2018 (Target Testing and Commissioning)
SOLAR				115.48			
Committed	Palo Solar Power Project	Sulu Electric Power and Light (Phils.), Inc. (SEPALCO)	Brgy. Castila, Palo, Leyte	49.81	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -RE Service Contract (RESC No. 2014-04-073) on 24 April 2014; -DOE Certificate of Confirmation of Commerciality-acquired on 07 March 2016 	September 2016 (Ongoing Testing and Commissioning)	November 2016
Committed	Miag-ao Solar Power Project	COSMO Solar Energy, Inc.	Miag-ao, Iloilo	5.67	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <ul style="list-style-type: none"> -Covered by Solar Energy Services (SESC No. 2013-09-036) on 31 October 2013 -Declaration of Commerciality- filed on 26 September 2014 -DOE Certificate of Commerciality- acquired on 12 January 2015 <p>Project Progress</p> <ul style="list-style-type: none"> -Pre-Construction-100% -Construction-100% -Interconnection-100% 	June 2016 (Ongoing Testing and Commissioning)	November 2016

Indicative	First Toledo Solar Power Project	SunAsia Energy, Inc.	Toledo City, Cebu	60	Project Progress -Pre-construction 80 % -Construction 50 % -Interconnection 80 % *Feasibility Studies, Permits and Other Regulatory Requirements -RESC NO. 2015-05-230 awarded on 5/29/2015 -COCOC NO. SSC-2016-03-046-A issued on 05/24/2016	December 2016	December 2016 (Target Testing and Commissioning)
	WIND			0			
	BIOMASS						

Total Committed Rated Capacity 471.58

* Committed Projects)
 COAL
 OIL
 GEOTHERMAL
 HYDROPOWER
 WIND
 SOLAR
 BIOMASS



285
 8
 50
 13.1
 0
 115.48
 0
471.58
 TRUE
 471.58

Newly Operational