

PRIVATE SECTOR INITIATED POWER PROJECTS INVESTAS
COMMITTED

As of 30 September 2016

Commitment / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
Committed	COAL PEDC Expansion Project	Pansy Energy Development Corporation (Global Business Power Corporation)	Brgy. Ingone, 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 DDE for 82MW on 03 March 2011 Feasibility study-extension to existing plant <p>DB-Tables</p> <ul style="list-style-type: none"> Pansy-Gulmaras Power Supply Consortium (PPSC) - 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 year 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 PPA with 6 Financial Institutions Project cost is Pp6.199B (P5 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 Contract: Formosa Heavy Industry Power 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)	October 2016
Committed	Palm Concepcion Coal-Fired Power Plant	Palm Concepcion Power Corp. (Formerly DMCC Concepcion Power Corp.)	Brgy. Nipa, Concepcion, Iloilo	115	<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 Analysis and Geotechnical Earthquake Risk Analysis - Jan 2011 Geotechnical Foundation & Engineering Geotechnical Investigations - Jan 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; NCIIP- 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 Pp20.355B <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"> 25 Jan 2013-Ground Breaking 18 July 2014 Commencement of Construction for 1st Unit Feb 2016 - Transmission is 50% completed Overall Progress: 96.80% completed vs. 95.67% planned (as of 31 Jan 2016) 	Unit 1 - March 2018 (will still be firm'd up)	Unit 2 - December 2018

DE	Project Name	Developer	Location	Capacity (MW)	Status / Key Milestones	Start Date	End Date
Committed	Calumangan Diesel Power Plant	Evergreen Power Development & Management, Inc.	Brgy. Calumangan, Bago City, Negros Occidental	8	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <p>Feasibility Study completed</p> <p>Environmental Impact Assessment Study Sept 2012</p> <p>-DOE w/ MDA and DOE - 100%</p> <p>ERC Approval of Supply Agreement - Provisional Approval dated 10 Nov 2014 - 100% DOE - 90%, Occular inspection conducted on Feb 9-9, 2016. Authority to develop and own or operate dedicated point-to-point limited transmission facilities - 100%, Approved by ERC on Oct. 29, 2015</p> <p>-Brgy. Calumangan Endorsement - 01 September 2012</p> <p>-DENR ECC - 21 Nov 2013, PTD - 100%, Provisional PTD pending conduct of emission test</p> <p>-PEMAC 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 (BIRWA Substation-13 Nov 2015, 100M Line-04 Nov 2015, Unit 2 24MW 22 Jan 2016), Connection, Transmission & Metering Service Agreement - signed and transmitted back to NGCP 10 Feb 2016 for signature</p> <p>OH Taken</p> <p>-70% of dependable capacity contracted to CENCO</p> <p>Financial Arrangements</p> <p>Financially Closed</p> <p>Contracts for Plant and Equipment</p> <p>-100% Secured</p> <p>Project Progress</p> <p>-Dec 2013 Commencement of Construction</p> <p>ISSUES ENCOUNTERED RE: PROJECT DEVELOPMENT</p> <p>-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 protracted bureaucracy and processes that affected and delayed grid connectivity</p>	Unit 4	Unit 4 4- 8 MW November 2016
GEOTHERMAL							
Committed	Biliran Geothermal Plant Project	Biliran Geothermal Incorporated	Biliran, Biliran	50	<p>Feasibility Studies, Permits and Other Regulatory Requirements</p> <p>Geothermal Service Contract from DOE obtained</p> <p>ECC-secured for the proposed Geothermal Exploration Drilling and Biliran Power Plant Project on December 06, 2012 and August 23, 2013, respectively.</p> <p>-Confirmation of Commercially-obtained from DOE on 28 December 2014</p> <p>Financial Arrangements</p> <p>-Memorandum of Understanding by and among, Enwert Holdings Philippines, Inc. (EHP) and Philippine Associated Smelting and Refining Corp. (PASAR) signed on May 10, 2013</p> <p>Project Cost</p> <p>US\$ 208.021 M</p>	October 2016	Phase 1 - Oct 2016 Phase 2 - Nov 2016 Phase 3 - July 2017 Phase 4 - Nov 2017

HYDROPOWER				18.1			
Committed	Igbulo (Bak) Hydroelectric Power Project	Century Peak Energy Corporation	Igbaras, Iloilo	5.1	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 Project Progress - Ongoing Construction	June 2018	June 2018 (Target Testing and Commissioning)
Committed	Cantakoy	Quadriver Energy Corp.	Davao, Bohol	8	Feasibility Studies, Permits and Other Regulatory Requirements - GIS secured clearance from DOE on 11 July 2011 Financial Arrangement - Financial Arrangement Secured Project Progress - Construction on hold due to conflict with LGU	June 2018	June 2018 (Target Testing and Commissioning)
SOLAR				115.88			
Committed	Palo Solar Power Project	Sulu Electric Power and Light (PREL), Inc. (SEPALCO)	Brgy. Castla, Palo, Leyte	49.81	Feasibility Studies, Permits and Other Regulatory Requirements - 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)	October 2016
Committed	Mtag-ao Solar Power Project	COSMO Solar Energy, Inc.	Mtag-ao, Iloilo	5.67	Feasibility Studies, Permits and Other Regulatory Requirements - Covered by Solar Energy Service (SES) No. 2013-08-0106 on 31 October 2013 - Declaration of Commerciality filed on 26 September 2014 - DOE Certificate of Commerciality acquired on 12 January 2015 Project Progress - Pre-Construction 100% - Construction 100% - Interconnection 55% Project Progress - Pre-Construction 80% - Construction 50% - Interconnection 80%	June 2016 (Ongoing Testing and Commissioning)	October 2016
Indicative	First Toledo Solar Power Project	Sunkoa Energy, Inc.	Toledo City, Cebu	60	Feasibility Studies, Permits and Other Regulatory Requirements - RESC NO. 2015-05-230 awarded on 5/29/2015 - CCODC NO. SSC-2016-03.046.A issued on 05/24/2016	December 2016	December 2016 (Target Testing and Commissioning)
WIND				0			
BIOGAS							

Total Committed Rated Capacity **471.58**

* Available Projects
 COM
 CON
 UNDERWAY
 SUSP
 SOLAR
 WIND



29
 4
 51
 1
 115.88
 0
471.58
 471.58