

PRIVATE SECTOR INITIATED POWER PROJECTS (VISAYAS)

INDICATIVE

As of 5 September 2014

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			470.00			
Indicative	PEDC Expansion Project Former report (1x150 MW Circulating Fluidized Bed (CFB) Coal-Fired Power Plant)	Panay Energy Development Corporation (Global Business Power Corporation)	Brgy. Ingore, La Paz, Iloilo	150	<ul style="list-style-type: none"> -Estimated Net Capacity: 130MW, Estimated Household: 120MW; -The target date for the start of the expansion project will be on on October 2013 and is expected to be completed in thirty three (33) months.GBPC is currently in the process of securing the Environmental Compliance Certificate (ECC) which is expected to be released by the end of July 2013; -Notice to Proceed (NTP) for the construction will be issued to the contractor as soon as the ECC will be released; -Reclamation compacting; Site levelling & compacting; -Reclamation is awaiting for the final decision of the Board although there is already ongoing activity; -Backfilling has already started while sile levelling and compacting is awaiting for the final bid; - Ongoing negotiation with probable customers in Panay; -Securing necessary permits; secured clearance from DOE for the conduct of GIS for 82MW on 3 March 2011; -Milestone of Activities:(a. June 2014 - Turnover of project site to Formosa Heavy Industries); b. August 2014 - Pile driving; c. December 2014 - Column Standing; d. April 2015 - Drum Lifting; e. August 2015 - Hydraulic test; f. November 2015 - Power tie-in;g. March 2016 - Initial Ignition;h. May 2016 - Synchronization;i. July 2016 - Take-over and commercial operation; -Project cost is Php6.199B. 	May 2016	July 2016
Indicative	1 X 20 MW FDC Danao CFB Coal Power Plant	FDC Utilities, Inc.	Danao City, Cebu	20	<ul style="list-style-type: none"> -Clearance to Underatake GIS from DOE issued on 17 October 2011; -Grid Impact Studies completed; -Technical and Financial Study completed; -Completed Lease Agreement with land owner signed;Signed supply contract with franchised electric cooperatives; -On-going securing of regulatory requirements and ECC; -Other required permits and endorsement to be secured upon completion of pre-con activities; -Other permits under process; EPC Contractor: Formosa Heavy Industries (FHI); Coal Supply - Semirara & Indonesian Coal; -Ongoing financing arrangements;Selection of EPC Contractor Ongoing; -Project cost is Php1.512B 	2016	2016 (Target Testing and Commissioning)

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Indicative	300 MW Therma Visayas Energy Project	Therma Visayas Inc.	Brgy. Bato, Toledo City, Cebu	300	<ul style="list-style-type: none"> -Site feasibility tests to be completed by September 2012; -Done with the arrangement for securing the required land except for the remaining 2% of project site; -On-going discussions with target off-takers; -On-going securing of permits and other regulatory requirements; - On-going processing of the Certificate of Non-Overlap (CP/CNO) from the National Commission on Indigenous Peoples -ECC issued last May 2013; -BOI registered and GIS study approved; Acquisition of the parcels of the land in the target plant site is on-going; -Self-funded with on-going negotiations with financing institutions; -Tendering of EPC on-going; -Clearance to Underatake GIS from DOE issued on 16 June 2012; -Site development works to start by November 2014; -Project cost is Php23B 	March 2017	June 2017

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	OIL			18.90			
Indicative	18.9MW Calumangan Diesel Power Plant	Energreen Power Development & Management, Inc.	Brgy. Calumangan, Bago City, Negros Occidental	18.9	<p>-Feasibility Study:(1)Topographic Survey-June 2012;(2)Soil Boring Test-July 2012;Environmental Impact Assessment Study-Sept.2012;</p> <p>-Arrangement for Securing the Required Land: Purchased 6.9 hectares land in Brgy. Calumanggan, Bago City. The diesel plant will occupy 2 hectares;</p> <p>-Marketing of Generating Capacities: CENECO and Energreen Power has a signed Amended Memorandum of Agreement and Supplementary Agreement for Peaking and Reserve Services to be embedded in the distribution system of CENECO;</p> <p>-Permits and Other Regulatory Requirements: DENR ECC-R6-1305-0174-4220 dated 21 Nov.2013; DOE COE No. 2013-09-001 dated 19 September 2013;Brgy. Calumangan Endorsement per Brgy. Reso No. 2012-12 dated 1 September 2012;</p> <p>-Financing Arrangements: 65% Debt and 35% Equity;</p> <p>-Construction Contracts for Plants and Equipment: Supplier of main quipment will be an established HFO Power Plant supplier from China; Energreen's owner engineer would be ENGcon Energy of Singapore;</p> <p>Commencement of Construction: Civil Works Site - Dec 2013; Power House-16 May to 15 Oct. 2014;CT % Other Pump Bldg. Facility -6 July to 25 Oct 2014;HFO Treatment Bldg. Facility - 11 Aug. to 25 Sept. 2014;Feul Farm Facility-6 nJuly to 25 Sept. 2014;Maintenance Bldg. Facility 16 June to 30 Sept. 2014;Raw Water System Source-16 Aug. to 5 Oct. 2014;Power Grid Integration-6 July to 20 Oct. 2014;Generation Facility Installation - 5 Aug to 30 Dec 2014;Site Raw Water and Fire Hydrant Installation-6 Oct to 5 Nov 2014;Other Facilities - 1 Nov to 30 Dec 30 2014;</p>	December 2014	10MW-26 Dec. 2014 11MW-26 Jan.2015 6MW-26 Feb.2015
	GEOHERMAL			89.00			
Indicative	49 MW Biliran Geothermal Plant Project	Biliran Geothermal Incorporated	Biliran, Biliran	49	<p>-On-going feasibility studies;</p> <p>-F15On-going processing of requirements such as GIS, LGU endorsement, DENR-ECC.</p>	December 2015	December 2015 (Target Testing and Commissioning)
Indicative	Dauin Geothermal Project	Energy Development Corporation	Dauin, Negros Oriental	40	<p>-On-going feasibility studies;</p> <p>-On public land but portions of access road leading to Site sits on provate land; Land-use permits for areas on public land obtained;</p> <p>-Ongoing negotiations with lot owners for access road; DOE Service Contract Project Project within GRESC # 2009-10-002;</p> <p>-LGU endorsement obtained; SLUP Obtained;</p> <p>-TCP Obtained; RRW Obtained;Water rights obtained; DENR-ECC obtained;</p> <p>-SLUP and TCP permits subject for renewal;Turnkey Contracts pending result of feasibility study;</p> <p>-Ongoing negotiations on the financing;</p> <p>-Target Commencement of Construction:2nd half of 2019;</p> <p>-Target Commissioning December 2018;</p> <p>-Project cost is subject to the result of feasibility study;</p>	December 2021	December 2021 (Target Testing and Commissioning)

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Indicative	Southern Leyte Geothermal Plant Geothermal Project (formerly known as Mt. Cabalian Geothermal)	Energy Development Corporation	Cabalian, Southern Leyte	TBA	-On-going commercial and technical studies -Radon gas survey in November 2013; -On public land; Land-Use permits obtained; -DOE Service Contract Mt. Cabalian GSC; Obtained DENR-ECC; Obtained LGU Endorsement; SLUP Obtained; TCP Obtained; RRW Obtained Water Rights for application; -On-going Negotiations with Financing Institutions; -Target Construction and Commissioning Date not yet finalized.	TBA	TBA

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	HYDROPOWER			53.20			
Indicative	Igbulo (Bais) Hydroelectric Power Project	Century Peak Energy Corporation	Igbaras, Iloilo	5.1	-Issued Confirmation of Commerciality on 26 June 2013; -Clearance to Undertake GIS from DOE issued on 14 August 2013; -Submission of lacking requirements e.g. permits in progress.	January 2015	January 2015 (Target Testing and Commissioning)
Indicative	Hilabangan (Upper Cascade)	Century Peak Energy Corporation	Kabankalan, Negros Occidental	4.8	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	August 2015	August 2015 (Target Testing and Commissioning)
Indicative	Hilabangan (Lower Cascade)	Century Peak Energy Corporation	Kabankalan, Negros Occidental	3.0	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	August 2015	August 2015 (Target Testing and Commissioning)
Indicative	Maninila (Lower Cascade)	Century Peak Energy Corporation	San Remigio, Antique	4.5	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	October 2016	October 2016 (Target Testing and Commissioning)
Indicative	Maninila (Upper Cascade)	Century Peak Energy Corporation	San Remigio, Antique	3.1	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	October 2016	October 2016 (Target Testing and Commissioning)
Indicative	Sibalom (Upper Cascade)	Century Peak Energy Corporation	San Remigio, Antique	4.2	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	October 2016	October 2016 (Target Testing and Commissioning)
Indicative	Sibalom (Middle Cascade)	Century Peak Energy Corporation	San Remigio, Antique	4.0	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	October 2016	October 2016 (Target Testing and Commissioning)
Indicative	Sibalom (Lower Cascade)	Century Peak Energy Corporation	San Remigio, Antique	3.3	-Issued Confirmation of Commerciality on 02 October 2013; -Clearance to Undertake GIS from DOE issued on August 2013; -Submission of lacking requirements e.g. permits in progress.	October 2016	October 2016 (Target Testing and Commissioning)
Indicative	Basak II	Meadowland Developers, Inc.	Badian, Cebu	0.5	-Issued Confirmation of Commerciality on 28 May 2013; -Submission of lacking requirements e.g. permits in progress	April 2017	April 2017 (Target Testing and Commissioning)
Indicative	Timbaban Hydroelectric Power Project	Oriental Energy and Power Generation Corporation	Madalag, Aklan	18	-Issued Confirmation of Commerciality on 28 May 2013; -Submission of lacking requirements e.g. permits in progress	August 2017	August 2017 (Target Testing and Commissioning)

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Indicative	Loboc Hydroelectric Power Project	Sta. Clara Power Corporation	Loboc, Bohol	1.2	-Issued Confirmation of Commerciality on 3 June 2013; -Submission of lacking requirements e.g. permits in progress;	TBD	TBD
Indicative	Amlan (Plant B)	Natural Power Sources Integration, Inc.	Amlan, Negros Oriental	1.5	-Issued Confirmation of Commerciality on 11 July 2014; -Submission of lacking requirements e.g. permits in progress; -Conduct of Feasibility Study for the expansion on-going;	TBA	TBA

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	SOLAR			160.00			
Indicative	Leyte Solar Photovoltaic Power Project	Phil. Solar Farm-Leyte, Inc.	Ormoc City, Leyte	30	-Awarded with Solar Energy Service Contract (SESC No. 2012-08-019) on 19 Sept 2012; Conducted Third Party SIS, currently under review by NGCP; Acquired ECC from DENR, CNO from NCIP, Provincial, Municipal and Barangay Resolutions of Support, Lease Agreements with land owners, EPC Contract with DS Steel Com. Ltd., and proofs of negotiations/certifications with financial institutions for project financing; -Clearance to Undertake GIS from DOE issued on 12 October 2012; -On-going negotiations for Project Financing; -Total project cost is US\$72.0Million; - Acquired the DOE Certificate of Confirmation of Commerciality on 31 May 2013; -On-going construction; Construction Stage as of 31 August 2014(Pre-Construction - 30% completed, Construction-0%, Interconnection-0%);On-going negotiations for project financing;Filed a request for endorsement to avail the duty-free importation;	January 2015	January 2015 (Target Testing and Commissioning)
Indicative	San Carlos Solar Power Project Phase C-10 Phase D-13	San Carlos Solar Energy Inc.	San Carlos City, Negros Occidental	30	'-Covered by Solar Energy Service Contract (SESC No. 2013-09-037) on 30 October 2013; '-Filed declaration of Commerciality on 28 August 2014 (under evaluation);	February 2015	February 2015 (Target Testing and Commissioning)
Indicative	Cadiz Solar Power Project	Phil.Power Exploration & Development Corporation	Brgy., Tinampaan Cadiz City, Negros Occidental	100	'-Awarded with Solar Energy Services (SESC No. 2013-06-035) on 3 July 2013; '-Filed declaration of Commerciality on 2 September 2014 (under evaluation);	July 2015	July 2015 (Target Testing and Commissioning)

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	WIND			50.00			
Indicative	Pulupandan Wind Power Project	First Maxpower International Corporation	Pulupandan, Negros Occidental	50	<ul style="list-style-type: none"> -Awarded with Wind Energy Service Contract (WESC No. 2010-02-037) on 1 February 2010; -Conducted detailed wind resource assessment; Completed feasibility study;Completed the conduct of GIS; -Secured various LGU permits and Resolutions of Support; Secured DENR ECC permit;Secured NCIP Certificate on Non-Overlap on 7 January 2013; Secured clearances from MARINA, BFAR, Philippine Coast Guard;Secured DPWH Road Right-of-Way for overhead T/L; Conducted Third Party System Impact Study, currently under review by NGCP;Secured proof of Consent from different Lot Owner; Conducted Public Consultation; - Acquired DOE Certificate of Confirmation of Commerciality on 17 September 2013; -Negotiation for financial closing with local financial institutions is on-going and expected to be completed by February 2014; -On-going construction; Construction Stage as of 31 August 2014(Pre-Construction - 51% completed, Construction-0%, Interconnection-0%);On-going completion of Pre-construction activities including financial closing as per Work Plan; - Project cost is \$124,475,000.00; 	September 2015	September 2015 (Target Testing and Commissioning)

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	BIOMASS			54.37			
Indicative	South Negros 25 MW Biomass Power Plant 22.37MW-Grid 2.63MW- Own use	South Negros Biopower Inc.	Brgy. Cubay, La Carlota City, Negros Occidental	22.37	-Assessment of Target Site: Considering Biommas supply within 40 km radius from the site about 1,650,000 tons per year of biomass supply as fuel can be harnessed; -Preparation of Business Plan: Underway; -No developments on the site yet; For construction; -Marketing of Capacities: Feed-in Tariff; -Status of Permits and Other Regulatory Requirements:(1) Endorsements from Local Government Units were secured;(2)Environmental Compliance Certificate has been granted to SNBP on 17 December 2013 and the approval on the amendment was released on 2 June 2014; (3)Biomass Renewable Energy Operating Contract was signed between the Department of Energy and SNBP effective on 11 April 2014;(4) Clearance to Undertake System Impact Study has been granted for the start of negotiations with NGCP; -Financing Arrangements: IFC approved the financing requirement in July; -Construction Contracts for Plants and Equipment:EPC Contract is under negotiations; -Construction of Facility: Site Office construction has stated; Facility will start on 2nd Qtr 2016	2016	2016 (Target Testing and Commissioning)
Indicative	35.0 MW Mina Multi-Fuel Biomass Power Generation Facility	Green Power Panay Phils., Inc.	Iloilo	32	-For construction;	TBA	TBA

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	BATTERY			40.00			
Indicative	40 MW Battery Storage Project	AES Philippines Power Partners Co., LTD.	Kabankalan, Negros Occidental	40	<ul style="list-style-type: none"> -On-going feasibility study; - Option to lease was secured on 18 September 2013; Lease Contract for finalization. Sanggunian Panlalawigan issued Resolution 98-2077 declaring the lot as industrial.; -Conversion process on-going; - ECC scoping on-going.SIS from NGCP expected to be released on 30 October 2013; - Financing Arrangement: On-going negotiations with International/Local banks; -Selection of Owner's Engineer On-going for the Construction Contracts for Plants and Equipment; -Clearance to Underatake GIS from DOE issued on 31 January 2013; -Target Commencement of Construction: May 2014; 	March 2015	March 2015 (Target Testing and Commissioning)

Total Indicative Rated Capacity 935.47