

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)

COMMITTED

As of 31 March 2015

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			1,855.00			
Committed	2 X 150 MW Coal-Fired Therma South Energy Project	Therma South Inc.	Brgy. Binugao, Toril, Davao City and Brgy. Inawayan, Sta. Cruz, Davao Del Sur	300	<ul style="list-style-type: none"> -Financial Arrangement Secured: Self-funded with financing arrangements with various Banks; -Secured Clearance from DOE for the conduct of GIS on 12 October 2011; -Off-taker: Power Sales Agreement (240 MW sold) between Therma South, Inc. and Davao Light & Power Company is 100MW (DLPC), Cotabato Light & Power Company is 5MW (CLPC), Agusan del Sur is 10MW (ASELCO), Surigao del Sur II is 5MW (SURSECO II), Davao Oriental EC is 5MW (DORECO), Misamis Occidental I is 3MW (MOELCI I), Cotabato EC is 8MW (COTELCO), Sultan Kudarat EC is 8MW (SUKELCO), Zamboanga del Norte is 5MW (ZANEKO), Bukidnon 2 EC is 2MW (BUSECO), Surigao del Sur I is 3MW (SURSECO I), Surigao del Norte is 5MW (SURNECO), and Zamboanga del Sur I is 5MW (ZAMSURECO); -Marketing of Generating Capacities: 240 MW Sold as 31 May 2014; -Secured the permits for site development works; -Secured required land - EPC Contract awarded to Black and Veatch last June 2012; - Commencement of Construction: Currently in Project Month 31 of construction or approximately 94% complete; -Project Status as of 12 January: 95% completed; -Project cost is Php24B -On-going securing of permits (Water Permit for Seawater intake from NWRB and COC from ERC); On-going construction/installation 	March 2015	Unit 1 - 30 June, 2015 Unit 2 - April 2015
Committed	2 X 100 MW Southern Mindanao Coal Fired Power Station	Sarangani Energy Corporation	Brgy, Kamanga, Maasim, Sarangani	200	<ul style="list-style-type: none"> -Financial Arrangement Secured on 12 December 2012; -Project Status (Over-all) as of 20 September 2014 - 54% completed; -On-going process in securing the regulatory requirements, permits, GIS, etc. ; -On-going processing of the land conversion from agricultural lands where the plant is located to industrial use as declared by the Municipality of Maasim: Out of 28 hectares occupied by the power plant, 19 hectares were already converted and the balance of 9 hectares (for coal conveying system and ash ponds) is undergoing the process of conversion with DAR and other government entities; -Off-taker: Power Sales Agreement for 105MW between Sarangani Energy Corporation and South Cotabato II is 70MW (SOCOTECO II), Davao del Norte is 15MW (DANECO), Agusan del Norte is 10MW (ANEKO), and Agusan del Sur is 10MW (ASELCO) was executed 2011-2012; Please note that except for SOCOTECO1, all these offtakers will be supplied by Phase 1 of the SEC project in Maasim, Sarangani. Hence, Phase 1 is already fully contracted. SOCOTECO II Power Sales Agreement already has ERC final approval while those of ASELCO and ANECO have provisional approvals. Still working on DANECO; SOCOTECO1 on the other hand will be supplied by Phase 2 of SEC; -EPC Contract between Owner and Daelim Philippines, Inc. executed on 30 March 2011; -Notice to Proceed to EPC Contractor issued on 28 December 2012; SEC has complete and full support of its subsidiary companies, Conal Holdings Corporaion (CHC) and Alsons Consolidated Resources(ACR); -On-going Civil Works; -Phase 2: Notice to proceed construction is yet to be issued this 2015 (most likely 2nd Quarter) -Project cost \$450M; 	Phase 1 - June 2015 (100MW)	Phase 1 - October 2015

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Committed	3 X 135 MW FDC-Misamis Circulating Fluidized Bed (CFB) Coal-Fired Power Plant Project	FDC Utilities, Inc.	Phividec Industrial Estate, Villanueva, Misamis Oriental	405	<ul style="list-style-type: none"> -Financial Arrangement Secured on 27 December 2013 with various Banks; -Project information Memorandum Completed; -Secured Clearance from DOE for the conduct of GIS on 12 September 2011; GIS Review by NGCP completed; Connection Agreement approved by NGCP in October 2013; -ECC for plant site issued on May 2013; ECCs for power plant and transmission line were issued;ECC for transmission line issued on August 2013; -NWRB water permit for Tagoloan issued on Sept. 2013; NWRB conditional water permit for cooling water at Macajalar Bay to be issued in May 2014;NCIP Certificate of Non-Overlap issued on Feb. 2014;Secured LGU endorsements from concerned provincial, municipality and barangays;Secured Locational Clearance from Villanueva (Negotiation for Foreshore Lease was completed;Right of Entry Permit was secured from Phividec;Right-of-Way clearance and acquisition are for issuance); Registered with the BOI on August 2013; secured Locational Clearance from Villanueva;Negotiation for Foreshore Lease was completed; -Off-taker:Contracted approximately 98 percent of the net output of the first three units of the project (As of 20 October 2014);On-going electric power purchase agreement negotiation with offtakers to raise contracted demand for the third unit; -Already concluded ground breaking ceremony in Villanueva, Misamis Oriental on November 2013; -EPC Contractor was awarded in September 2013;Construction Contracts for Plant's Equipment:Contract EPC was awarded in Sept. 2013; Tendering Process of the first and most of 2nd batch auxiliary equipment has been completed;Groundbreaking ceremony was held in November 2013; Project Site activities commenced in first quarter of 2014; -Project site activities as of 30 September 2014: 1. Arrival of anchor bolts, plates,channel and other embedded parts for Unit 1; 2. Completion of pile driving and foundation excavation for boiler house for Unit 1;3.Ongoing backfilling and pile driving in Power Block;4.Ongoing manufacturing of Shanghai boiler, Alstom turbine and generator, and steel structures;Ongoing construction of temporary facilities;5. Ongoing detailed design activities for the foundations, steel structures and concrete structures;6.Ongoing design of turbine generator structures;6. Finalizing of the jetty design and ordering of the jetty piles; -On-going securing of necessary permits and clearances; On-going construction/installation; on going approval of proposed boiler erection; -On-going electric power purchase agreement negotiations with off takers for remaining capacity of 3rd unit -Project Status as of 17 October 2014: 17.52% completed; -Project cost Php 30.019B; 	<ul style="list-style-type: none"> 1st Unit - December 2015 2nd Unit - March 2016 3rd Unit - June 2016 	<ul style="list-style-type: none"> 1st Unit - June 2016 2nd Unit - September 2016 3rd Unit - December 2016
Indicative	300 MW SMC Davao Power Plant Project Phase I 2x150MW	San Miguel Consolidated Power Corporation	Brgy. Culaman, Malita, Davao del Sur	300	<ul style="list-style-type: none"> -Financial Arrangement Secured from various banks on 12 May 2014; -On-going construction; Project Status (over-all) as of 26 September 2014 -92.37%; -Groundbreaking held last 15 July 2013; -Land acquisition completed; Groundbreakingwas held last July 2014; -Environmental Impact Assessment completed; Topographic and Hydrographic completed;Soil Investigation completed; -GIS/SIS already submitted to NGCP for review; NGCP returned the report toSMC GPHC with comments; -Site development in terms of physical accomplishment as of 26 September 2014 is 92.37%; Construction Activities of Unit 1&2 x 150MW Power Plant - 9.95%; Design and Construction of Pier and Jetty Structure is 73.41%; Engineering Design & Manufacturing of Parts - 83.02%;Right-of-Way Acquisition Status-20.01%; Ash Dump Design and Construction - 100% -Facility Study Status- Final report submitted last 27 Dec. 2013; Results are being used by NGCP for pre-construction works while SMC GPHC for right-of-way. -SEC issued last 26 August 2011; EPC Contract executed on January 2013; ECC issued in June 2013; EPC Contract already awarded; -Construction of the Project has been underway since August 2013: Contracts for relative Works (Site Development, Pier and Jetty, Ship Unloader, Coal Conveying System already awarded) -On-going electric power supply contract negotiation with prospective off-takers; -Clearance to Undertake GIS from DOE issued on 29 August 2011; -On-going civil works construction/installation; -Target Completion Date of Transmission Connection on March 2016; -Project cost is \$630M / Php25.8B 	<ul style="list-style-type: none"> Unit 1 - December 2015 Unit 2 -May 2016 *Note: remaining 900 MW still understudy 	<ul style="list-style-type: none"> Unit 1 - February 2016 Unit 2 -August 2016 (subject for validation with EPC Contractor)
Committed	GNPower Kauswagan Ltd. 540MW Clean Coal-Fired Power Plant	GN Power Kauswagan Ltd. Co.	Kauswagan, Lanao del Norte	540	<ul style="list-style-type: none"> - Financial Arrangement Secured on 28 May 2014; - ECC issued on 14 March 2014; A multipartite monitoring team is being established pursuant to the ECC; - Clearance to Undertake GIS from DOE issued on 28 June 2013;; NGCP has completed the System Impact Study for 4x150MW (gross caacity); Facility study to be performed next; -GNPK and the land owners of the Project site are in the final stages of satisfying their respective obligations under the land purchase agreements; - EPC contract was signed on 15 May 2014; - Provisional Authority dated 28 April 2014 was issued for the approval of the Power Purchase and Sale Agreement among GN Power, AMRECO PSAG Corp. and 20 participating ECs; 330MW sold to ECs arranged by AMRECO PSAG;GNPK is currently negotiating with other ECs as well as non-DU customers for sale of additional capacity; received provisional authority from the ERC for all 20 - Granted LGU Endorsement; - Permits and Other Regulatory Requirements: All permits obtained under the name of of GNPower Ltd. Co (Permits assigned from GNPower Ltd.Co. to GNPower Kauswagan Ltd.Co., DENR Environmental Compliance Certificate, CAAP Height Clearance,DOE Clearance to undertake SIS for 3x125MW, DOE Certificate of Endorsement for NCIP Application for Certificate of Non-Overlap, Mindanao Development Authority Endorsement, LGU Endorements); Other permits obtained for the project: Clearance to Develop Port Facility;Permit to Drill) were transferred and assigned to the Project Company, GN Power Kauswagan Ltd. Co. by virtue of a Project Assignment/Agreement; -Financing Arrangements signed 23 December 2014: Commitments from several lenders have been obtained; -Construction Contracts for Plant and Equipment: Significant pre-Notice to proceed activities are being done by the EPC contractor at the site in China; -Commencement of Construction: NTP expected to be issued to the EPC contractor by November 2014; - Total Project Cost - US\$740 Million 	February 2017	December 2017
Committed	3x55 MW Balingasag Thermal Power Plant (Circulating Fluidized Bed Combustion (CFBC) Coal-Fired Power Plant)	Minergy Coal Corporation	Brgy. Mandangao, Balingasag, Misamis Oriental	110	<ul style="list-style-type: none"> - Financial arrangement Secured from various banks (2x55MW secured on 22 January 2014, Additional 1x55MW secured on 26 May 2014); - Conducted Feasibility study from February to September 2013; - Land acquisition completed at Brgy. Mandangao Balingasag, Misamis Oriental; Processing land titling on the acquired lots - SEC Registered on February 2013;Certificate of Endorsement (No. 2013-07-007) issued on 1 August 2013; -Site Evaluation completed on 14 August 2002; -Issued the following regulatory: Business Permit/Mayor;s permit - 16 January 2013;SEC Certificate of Incorporation-18 February 2013;DOE Certificate of Endorsement for ERC (No. 2013-07-007)-1 August 2013;DPWH Excavation Permit-3 September 2013;Balingasag SB Endorsement-7 October 2013;Building permit (Access Road)-13 November 2013;Permit to cut coconut trees-17 November 2013;DENR-ECC- 17 November 2013;Zoning certification-25 November 2013;BOI Registration-4 December 2013;Barangay Clearance-15 January 2014;Mayor's Permit-16 January 2014;BOC COR & Certification of Accreditation - 6 February 2014;Building Permit (Power Plant)-19 June 2014;Locational Clearance - 1 July 2014;PPA Permit to construct private port facility-16 September 2014; Plumbing permit/Sanitary permit (power plant)-2014; - Offtaker: Provisional Approval was issued on September 2013 for PSA between the Owner and CEPALCO; -EPC contract was signed on September 2013 for 2x55MW (Supplemental Agreement to EPC Contract signed on 10 March 2014 for 1x55MW (NTP for 2x55MW on 30 Jan 2014,NTP foe 1x55MW on 29 May 2014); -Ongoing construction:42.1% completed as of December 2014; -Technical review on-going; Off-taker - CEPALCO (embedded via double ckt 138 kV line); -Main EPC Contractor: Mitsubishi Corporation; Main Sub-contractor: Toshiba Plants Systemes * Services Corp. (TPSC); -Total project cost - P23.9B 	<ul style="list-style-type: none"> Unit 1: February 2017 Unit 2: April 2017 Unit 3: June 2017 	<ul style="list-style-type: none"> Unit 1: February 2017 Unit 2: April 2017 Unit 3: June 2017 (Target Testing and Commissioning)

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	OIL			11.90			
Committed	11.9 MW Koronadal Diesel Power Plant (7 x 1.7MW)	Supreme Power Corporation	Purok Garfin, Barangay Paraiso, Koronadal City	11.9	<ul style="list-style-type: none"> -Obtained SEC Endorsement from DOE on 18 April 2013; - The company was incorporated on 10 May 2013; -Entered into an Electricity Supply and Transfer Agreement with South Cotabato I Electric Cooperative Inc. (SOCOTECO I) executed through a 15-year Build-Operate-Transfer contract between the two; -In the process of constructing the power plant at the site owned by SOCOTECO I; -Ground breaking was held 8 Jan 2015; construction started 12 January 2015 by Busbar Corporation; construction works to be completed in 6 months 	15 August 2015	16 August 2015 (Target Date of Testing & Commissioning)

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	HYDROPOWER			64.00			
Committed	Puyo Hydroelectric Power Project	First Gen Mindanao Hydropower Corp.	Jabonga, Agusan del Norte	30	<ul style="list-style-type: none"> -Financial Arrangement Secured; -Ground breaking held on 17 April 2013; -Issued Confirmation of Commerciality on 12 July 2013; -Already secured LGU Endorsements, DENR Certificate of Non-Coverage, NCIP Certificate and NWRB Permit; -Also submitted Feasibility Study and 5-Yr Work Plan; -EPC for main facilities for tender; -Pre-Construction stage (100% completed as of 31 August 2014);interconnection - 0% as of 31 August 2014; -Construction stage (10% completed as of 31 August 2014) -Groundbreaking held on 17 April 2013; -Project implementation on hold due to security threat in the area; 	July 2017	July 2017 (Target Testing and Commissioning)
Committed	Limbatangan Hydroelectric Power Project	Turbines Resource & Development Corp.	Cagayan de Oro City, Misamis Oriental	9	<ul style="list-style-type: none"> -Financial Arrangement Secured; -On-going construction; - Issued Confirmation of Commerciality on 12 July 2013; - Already secured LGU Endorsements, DENR ECC, and NCIP Certificate; -Also submitted Feasibility Study, Detailed Engineering Design, and 5-Yr Work Plan; -Construction stage (10% completed as of 30 September 2014); -Construction of Access Road completed. 	January 2017 - January 2018 (Target Testing and Commissioning)	January 2017 - January 2018 (Target Testing and Commissioning)
Committed	Lake Mainit	Agusan Power Corporation	Jabonga, Agusan del Norte	25.0	<ul style="list-style-type: none"> -Financial Arrangement Secured; -Clearance to Undertake GIS from DOE issued on 7 October 2012; -On-going construction; -Submission of lacking requirements e.g. permits in progress. 	March 1, 2016	March 2016 (Target Testing and Commissioning)
Committed	Asiga	Asiga Green Energy Corp.	Santiago, Agusan del Norte	8	<ul style="list-style-type: none"> -Financial Arrangement Secured; -Issued Confirmation of Commerciality on 1 August 2014; - Submission of lacking requirements e.g. permits in progress; -Ongoing construction 	TBD	TBD

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	BIOMASS			20.60			
Committed	10 MW Malaybalay Bio-Energy Corporation Multi Feedstock Power Generating Facility	Malaybalay Bioenergy Corporation	FIBECO, Anahawan, Maramag, Bukidnon	9.00	-Financial Arrangement Secured; -On-going construction; -On-going Processing of Requirements;Permits obtained LGU Endorsement, Land Use Permit, etc.) -Has EPC.	2017	2017 (Target Testing and Commissioning)
Committed	15 MW LPC Biomass Power Plant Project	Lamsan Power Corporation	Sultan Kudarat, Maguindanao	10.00	-Financial Arrangement Secured; -On-going construction; -Secured Clearance from DOE for the conduct of GIS on 28 February 2014;	March 2016	March 2016 (Target Testing & Commissioning)
Committed	3.5 MW Biomass Cogeneration System	Green Earth Enersource Corporation	Maguindanao		-Financial Arrangement Secured; -On-going construction;	December 2015	December 2015
Committed	3 MW Biomass Cogeneration Facility	Philippine Trade Center, Inc.	Sultan Kudarat, Maguindanao	1.60	-Financial Arrangement Secured; -Operating for Own-Use; -Secured Clearance from DOE for the conduct of GIS on 13 March 2014;	June 2015	June 2015

Total Committed Rated Capacity 1,951.50