

PRIVATE SECTOR INITIATED POWER PROJECTS (MINDANAO)
 COMMITTED
 As of 30 April 2019

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			700.0			
Committed	GNPower Kauswagan Clean Coal-Fired Power Plant	GN Power Kauswagan Ltd. Co.	Kauswagan, Lanao del Norte	600.0	<p>FEASIBILITY STUDY: Completed;</p> <p>ARRANGEMENT FOR SECURING THE REQUIRED LAND: -GNPK and the land owners of the Project site are in the final stages of satisfying their respective obligations under the land purchase agreements;</p> <p>MARKETING OF GENERATING CAPACITIES: -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; -ANEKO-25.0MW, ASELCO-17.7MW, BUSECO-18.2MW, CAMELCO-2.7MW, DORECO-7.0MW, DASURECO-34.3MW, FIBECO-21.6MW, LANEKO-5.0MW, MOELCI I-6.8MW, MORESCO I-34.1MW, COTELCO-5.0MW, SIARELCO-2.0MW, SOCOTECO I-25.6MW, SUKELCO-14.3MW, SURNECO-23.8MW, SURSECO I-8.4MW, SURSECO II-13.0MW, ZANECO-25.0MW, ZAMSURECO I-24.2MW, ZAMSURECO II-16.3MW; -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 participating ECs;</p> <p>PERMITS AND OTHER REGULATORY REQUIREMENTS: -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 caoacity); -Facility study to be performed next; 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 Endorsements); -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;</p>	Unit 1 - December 2018 Unit 2 - December 2018 Unit 3 - December 2018 Unit 4 - December 2018	Unit 1 - May 2019 Unit 2 - July 2019 Unit 3 - September 2019 Unit 4 - October 2019

					<p style="text-align: center;">FINANCING ARRANGEMENTS: -Financial Arrangement Secured on 28 May 2014; -Commitments from several lenders have been obtained and signed 23 December 2014; -Documents for additional funding signed on Dec 17, 2015;</p> <p style="text-align: center;">CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: -EPC contract was signed on 15 May 2014; -Construction Contracts for Plant and Equipment: Significant pre-Notice to proceed activities are being done by the EPC contractor at the site in China;</p> <p style="text-align: center;">COMMENCEMENT OF CONSTRUCTION: -NTP issued to the EPC contractor on November 2014; -On-going construction; Construction of temporary facilities, housing facilities and foundation design validation activities are on-going;</p> <p style="text-align: center;">PROJECT COST: -US\$740 Million</p>		
Committed	Southern Mindanao Coal Fired Power Station Phase 2	Sarangani Energy Corporation	Brgy. Kamanga, Maasim, Sarangani	100.0	<p style="text-align: center;">FEASIBILITY STUDY: Completed;</p> <p style="text-align: center;">ARRANGEMENT FOR SECURING THE REQUIRED LAND: -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;</p> <p style="text-align: center;">MARKETING OF GENERATING CAPACITIES: -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 (ANECO), 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; -Updated PSA as of July 19, 2016 - ANECO-1.0MW, ASELCO-10.0MW, BUSECO-2.0MW, CEPALCO-20.0MW, COTELCO MAIN-10.0MW, COTELCO PPALMA-4.0MW, CLPC-5.0MW, DANECO-15.0MW, DASURECO-10.0MW, DLPC-100.0MW, DORECO-5.0MW, MOELCI 1-3.0MW, MORESCO I-5.0MW, SOCOTECO I-2.0MW, SOCOTECO II-5.0MW, SUKELCO-10.0MW, SURNECO-5.0MW, SURSECO 1-3.0MW, SURSECO 2-5.0MW, ZANECO-5.0MW, ZAMSURECO I-12.0MW, ZAMSURECO 2-10.0MW, ZAMCELCO-1.0MW, PILMICO-1.0MW, PHILSINTER-4.0MW</p> <p style="text-align: center;">PERMITS AND OTHER REGULATORY REQUIREMENTS: -ECC issued on April 2009;</p> <p style="text-align: center;">FINANCING ARRANGEMENTS: -Project Cost - PHP 14,979,221,000.00 Banks - Consortium led by BDO Trust and Investments Equity Loan Ratio - 70% Loan, 30% Equity;</p> <p style="text-align: center;">CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: SEC has complete and full support of its subsidiary companies, Conal Holdings Corporaion (CHC) and Alsons Consolidated Resources(ACR); Supply Contract (Engineering and Procurement Works for Offshore Portion) between Sarangani Energy Corporation and JGC Corporation</p>	March 2019	June 2019

	Natural Gas			0.0			
	OIL			0.0			
	Geothermal			0.0			
	HYDROPOWER			33.0			
Committed	Asiga	Asiga Green Energy Corp.	Pangaylan, Santiago, Agusan del Norte	8.0	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: - Issued Confirmation of Commerciality on 1 August 2014; - Submission of lacking requirements e.g. permits in progress; - Secured DOE Endorsement to DAR to facilitate the processing of application for Land Use Conversion; Issued with GIS on 2 February 2018 (DOE-EPIMB-SIS No.2017-12-004)</p> <p>GROUNDBREAKING SCHEDULES: - Groundbreaking held on 22 April 2015;</p> <p>FINANCING ARRANGEMENTS: - Financial Arrangement Secured;</p> <p>COMMENCEMENT OF CONSTRUCTION: - On-going construction is 25% as of November 2015;</p>	March 2019	May 2019
Committed	Lake Mainit	Agusan Power Corporation	Jabonga, Agusan del Norte	25.0	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS: - Clearance to Undertake GIS from DOE issued on 7 October 2012; Submission of lacking requirements e.g. permits in progress.</p> <p>FINANCING ARRANGEMENTS: - Financial Arrangement Secured; - FIT</p> <p>COMMENCEMENT OF CONSTRUCTION: - On-going construction;</p>	November 2020	December 2020
	SOLAR			25.0			
Committed	GenSan Solar Power Project	Astronergy Development GenSan Inc.	General Santos City, South Cotabato	25.0	<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> • Awarded with RE Service Contract (SESC No. 2014-12-096) on 29 Dec 2014 • Certificate of Commerciality No. SCC-2017-09-059 dated 06 Oct 2017 • ERC issued Provisional Approval of PSA at PHP 8.54 per kWh with SOCOTECO II 	November 2019	December 2019

	Wind			0.0					
	BIOMASS			21.4					
Committed	Biogas Power Plant Project	Biotech Farms, Inc.	Banga, South Cotabato	12.4	<ul style="list-style-type: none"> On-going testing and commissioning (Phase I) 	<p>CONSTRUCTION:</p> <ul style="list-style-type: none"> On-going construction (Phase II and III) 	<ul style="list-style-type: none"> On- 	June 2019	September 2019
Committed	PTCI Rice Husk-Fired Biomass Cogeneration Facility	Philippine Trade Center, Inc.	Sultan Kudarat, Maguindanao	3.0		<p>PERMITS AND OTHER REGULATORY REQUIREMENTS:</p> <ul style="list-style-type: none"> -Secured Clearance from DOE for the conduct of GIS on 13 March 2014; <p>FINANCING ARRANGEMENTS:</p> <ul style="list-style-type: none"> -Financial Arrangement Secured; <p>COMMENCEMENT OF CONSTRUCTION:</p> <ul style="list-style-type: none"> -Operating for Own-Use: 		June 2019 (On-going Testing and Commissioning)	December 2019
Committed	Biomass Power Plant Project	Biotech Farms, Inc.	Tantangan, South Cotabato	6.0		<p>CONSTRUCTION:</p> <ul style="list-style-type: none"> On-going testing and commissioning 		November 2019	December 2019

Total Committed Rated Capacity

779.3

*** Committed Project(s)**

	Rated MW	% Share
COAL	700.0	89.8%
DIESEL / OIL	0.0	0.0%
NATURAL GAS	0.0	0.0%
RE	79.3	10.2%
GEOTHERMAL	0.0	0.0%
HYDROPOWER	33.0	4.2%
BIOMASS	21.4	2.7%
SOLAR	25.0	3.2%
WIND	0.0	0.0%
	<u>779.3</u>	