PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON) COMMITTED As of 31 December 2016

As of 31 December	2016							
Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation	
	COAL			2720				
	COAL				FEASIBILITY STUDY: Completed;			
					'ARRANGEMENT FOR SECURING THE REQUIRED LAND: Completed;			
					MARKETING OF GENERATING CAPACITIES:			
					 On-going electric power supply contract negotiation with prospective off-takers (DUs); For Unit 1 - ISECO-10MW, TARELCO I-10MW, TARELCO II-15MW, PENELCO-10MW, REAL STEEL-7MW, SMC (Various Facilities)-60.3MW; For Unit 2 – PENELCO-10MW, OCEANA GOLD-12.5MW, REAL STEEL- 			
					17MW, SMC (Various Facilities)-37.1MW; 188.9 TOTAL			
					PERMITS AND OTHER REGULATORY REQUIREMENTS:			
					Environmental Impact Assessment completed; • Topographic cand Hydrographic completed; • Topographic and Hydrographic completed;			
					 Soil Investigation completed; 			
					GIS/SIS submitted last 12 July 2013, under review of NGCP; Facility Study already sent to NGCP for review;			
					eracinty study are adapt sent to NGCP for review; eFC was executed in January 2013; awarded;			
					ECC was issued on 17 September 2013;	Unit 1 - 150 MW -		
	Limay Power Plant Project	SMC Consolidated		300	SEC issued late 10 August 2011 Clearance to Understake GIS from DOE issued on 13 February 2013;	November 2016 (Ongoing Testing and	Unit 1 - 150 MW - January 2017	
Committed	Phase I	Power Corporation	Brgy. Lamao, Limay, Bataan	300	 Addendum for the re run of SIS was submitted to NGCP last Jan 30, 2015 for review; 	Commissioning) Unit 2 - 150 MW -	Unit 2 - 150 MW - July 2017	
					GROUNDBREAKING SCHEDULES:	April 2017		
					Groundbreaking was held September 2014;			
					FINANCING ARRANGEMENTS:			
					 Financial Arrangement Secured (65% Loan / 35% Equity); Project cost is \$622.15M / Php25.508B 			
					CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Construction of the Project has been underway since January 2014;			
					Construction of the Project rate been unless way since January 2019, Construction Activities of Unit 182 2 x 150MW Power Plant - 3.30%;			
					 Design and Construction of Pier and Jetty Structure is 99.55%; Overall Piling Works is 52.29%; 			
					 Turbine and Generator Building is 58.47%; 			
					Ash Dump Design and Construction - 100%;			
					COMMENCEMENT OF CONSTRUCTION: • March 2014;			
					FEASIBILITY STUDY:			
		Pagbilao Energy Corporation			Feasibility Study completed;			
					Estimated Net Capacity: 400MW			
					ARRANGEMENT FOR SECURING THE REQUIRED LAND: Completed;			
					MARKETING OF GENERATING CAPACITIES:			
					Contract with off-takers completed, Suppy agreement executed; 50% of the plant's capability will be sold to Therma Luzon Inc.			
					50% will be sold to TeaM (Phils). Energy Corporation;			
						PERMITS AND OTHER REGULATORY REQUIREMENTS:		
						 Environmental Compliance Certificate was issued on 18 June 2013; 		
					 Secured endorsement from Sangguniang Barangay of Ibabang Polo, Sangguniang Bayan of Pagbilao, Sangguniang Panlalawigan of Quezon; ECC Issued on 18 June 2013 			
Committed	Pagbilao Coal-Fired		Pagbilao Power Station, Nrgy.	420	In final negotiations with NPC, PSALM, TeaM Energy Corporation and Therma Luzon, Inc. to co-locate the plant in the existing Pagbilao Power Station;	Between May to	November 2017	
Committee	Thermal Power Plant		Ibabang Polo, Pagbilao, Quezon		GROUNDBREAKING SCHEDULES:	November 2017		
					• 23 July 2014			
					FINANCING ARRANGEMENTS:			
					 Financial Arrangement Secured with various lenders on 30 July 2014; On-going draw downs for planned milestones and progress payments; Estimated Project Cost: US\$ 1,000,000,000.00 			
					CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Construction Contracts for Plant & Equipment-Completed and executed;			
					Notice to Proceed and Commencement			
					 Notice issued to EPC Contractor; Down Payment already released to EPC contractor; Commencement of EPC and Construction: May 2014; Approximately 71% completed as of February 2016; 			
					 84.32% completion as of 25 July 2016 			
					86.49% completion as of 26 August 2016			

					FEASIBILITY STUDY: Completed		
					Completed Selection Study in 2012; Technology selection study completed 2012		
					Coal Sourcing Study completed in 2012		
					Facility Study to be done in 2014; System Impact Study completed 2007 and revaildated 2013		
					ARRANGEMENT FOR SECURING THE REQUIRED LAND:		
					Project will be located within the existing site		
					MARKETING OF GENERATING CAPACITIES:		
					 20 years + 5-year extension PSA with MERALCO as offtaker; 		
					Awaiting for the ERC approval of their PSA with MERALCO;		
					 SBPL has signed a PSA with Meralco on 29 May 2014; PSA approved by ERC on March 27, 2015 and released May 19, 2015 		
					PERMITS AND OTHER REGULATORY REQUIREMENTS:		
					Clearance to Underatake GIS from DOE issued on 7 March 2013;		
					 System Impact Study completed in 2007 and is being revailaded in 2013; ECC (Ref.Code 0610-012-4021) issued on 4 June 2007; 		
					 ECC extension of validity issued on 31 May 2012 and valid until 4 June 2015; ECC for SBPL issued on 11 November 2014 		
					Reguest for Amendment to upgraded technology submitted to EMB on 17 February 2014		
					 Request to assign the ECC for new project was requested on 2 June 2014; Additional information requested by EMB on 7 August 2014;QPL is in the process of preparing the documents; 		
	San Buenaventura Power	San Buenaventura Power Ltd. Co. (SBPL)	Barangay Cagsiay 1, Mauban,		 Secured Sanggunian Bayan Resolution No. 2014-269 endorsing the project to expand; 		
Committed	Ltd. Co. (SBPL) Project	rower eta. co. (SBFE)	Quezon	500	SIS completed in 2007 and is being revalidated;	December 2018	December 2019
					Municipal LGU endorsement issued part 19, 2005; Certificate of Non-Overlap was issued by the NCIP to Quezon Power on 5 February 2014, Request to assign the CNO was endorsed by the DOE and submitted to the NCIP on 15 July 2014; Certificate of Non-		
					centrate or non-orenap no spece of an end of a second of a		
					• ERC application was filed on 2 June 2014; Financing arrangements is expected to be secured only after the ERC issues the final approval; BOI Certificate of Registration issued on 15 October 2015		
					FINANCING ARRANGEMENTS:		
					Financing arrangements is expected to be secured only after the ERC issues the final approval; Financially closed December 1, 2015		
					Project cost is Php37.8B		
					GROUNDBREAKING SCHEDULES:		
					December 10, 2015		
					CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:		
					Owner's Engineer selected; EPIC bids received in November 2013		
					EPC Contract signed October 2014;		
					COMMENCEMENT OF CONSTRUCTION:		
					Award EPC contract estimate September 2013;		
					End of 2014 Expect to commence construction only after the ERC issues the final approval		
					4 years to fully complete the construction of the plant;		
					FEASIBILITY STUDY:		
					Completed February 2011		
					ARRANGEMENT FOR SECURING THE REQUIRED LAND:		
					 No additional land will be aquired as the expansion will be inside the existing Masinloc Power Plant Complex. 		
					 NPC/PSALM, however, is still continuing the titling process and land registration for some parcels of land 		
					PERMITS AND OTHER REGULATORY REQUIREMENTS:		
					Grid Impact Studies obtained on 7 January 2011		
					ECC Amendment was released by DENR on April 23, 2012 The amended DOE Certificate of Endorsement for BOI was released on May 7, 2012		
	Masinloc Expansion	AES Masinloc Power			Secured CoE for ERC on September 2011		December 2019
Committed	Project	Partners Co., Inc.	Zambales	300	On-going processing of Certificate of Precondition from NCIP	Unit 3 - September 2019	(Target Testing and Commissioning)
					SAPA amendment is still pending with DENR		Commissioning)
					FINANCING ARRANGEMENTS:		
					Provided bank certification for financial closing status to DOE dated 24 August 2016; Project cost is Php49.45		
					CONSTRUCTION CONTRACTS OND EQUIPMENT:		
					Selection of EPC Contractor on going		
					COMMENCEMENT OF CONSTRUCTION:		
					• 2nd Qtr 2014		
	1	1	1			1	

Committed	GNPower Dinginin 2 x 660 MW Supercritical Coal- Fired Power Plant	GNPower Dinginin Coal Plant Ltd. Co.	Mariveles, Bataan	1200	PERMITS AND OTHER REGULATORY REQUIREMENTS: • On-going presentation/proposal submissions to potential customers • Clearance to Undertake Gis from DDE issued on 26 june 201; • Obtained LGU endorsements; BOI registration for 600 MW pre-approve • On-going 3; • On-going securing DDE of Endorsement for DENR-ECC Arrangements for securing the required land will be acquired by an affiliate Filipino company of GNPower; • On-going securing DDE of Endorsement for DENR-ECC Arrangements for securing the required land will be acquired by an affiliate Filipino company of GNPower; • On-going negotiation with tenders FINANCING ARRANGEMENTS: • Project cost is S18 • Provided bank certification which was received by DDE-EPIME-PPDD on 18 March 2016 • With Financial Closing, agreed by GNPD and banks/financial institutions on 17 December 2015 CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • On-going finalization of EPC Contract • EPC Contract was signed on Oct 27, 2015	Unit I - Oct 2018 Unit II - 2019	Unit I - March 2019 Unit II - January 2020
	NATURAL GAS			650	FFASIRILY STUDY:		
Committed	Pagbilao Combined Cycle Gas Fired Power Plant Proposed 3x200 MW CCGT Power Plant	Energy World Corporation	Brgy. Ibabang Polo, Grande Island, Pagbilao, Quezon	650	Completed C	U1 - Jun 2017 U2 - Sep 2017 U3 - Dec 2017	U1 - Jun 2017 U2 - Sep 2017 U3 - Dec 2017 (Target Testing and Commissioning)
	HYDROPOWER			62.5	PERMITS AND OTHER REGULATORY REQUIREMENTS:		
Committed	Kapangan	Cordillera Hydro Electric Power Corporation	Kapangan & Kibungan, Benguet	60	PERMITS AND OTHER REGULTARY REQUIREMENTS: • Issued Confirmation of Commerciality on 13 February 2014 COMMENCEMENT OF CONSTRUCTION: • On-going civil works of hydro facilities	February 2019	February 2019
Committed	Prismc	PNOC-Renewables Corporation	Rizal, Nueva Ecija	1	GROUNDBREAKING SCHEDULES: • Ground breaking held on 11 July 2014; Confirmed DOC on 4 September 2014; Rehabilitation CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • On-going construction activities	September 2019	September 2019
Committed	Tubao	Tubao Mini-Hydro Electric Corporation	Tubao, La Union	1.5	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Issued Confirmation of Commerciality on 19 March 2015 GROUNDBREAKING SCHEDULES: • Ground breaking held on 8 November 2014	March 2020	March 2020
committee					CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Pending submission of requirements for construction		

Committed	Bataan Solar Power Project	Next Generation Power Technology Corp. (NGPT)	Brgy. Alas-asin, Mariveles, Bataan	18	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2014-04-076) on 12 May 2014 • Certificate of Commerciality No. SCC- 2016-03-048 dated 11 March 2016	March 2016 (On-going Testing and Commissioning)	January 2017
Committed	CW Home Depot Solar Power Project	CW Marketing & Development Corp. (CW)	CW Home Depot, Brgy. Pulong, Sta. Rosa City, Laguna	1.675	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2016-02-228) on 07 Mar 2016 • Certificate of Commerciality No. SCC- 2016-03-054 dated 31 March 2016	September 2016 (On-going Testing and Commissioning)	January 2017
Committed	San Rafael Solar Power Plant	SPARC Solar Powered Agri-Rural Communities Corporation	San Rafael, Bulacan	3.82	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with Solar Energy Service Contract (SESC No. 2012-03-012) on 03 May 2012 • Certificate of Commerciality No. SCC- 2015-10-035 dated 10 November 2015 CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: On-going construction (see FIT Monitoring Board)	July 2016 (On-going Testing and Commissioning)	January 2017
Committed	Morong Solar Power Plant	SPARC Solar Power Agri-Rural Communities	Morong, Bataan	5.02	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with Solar Energy Service Contract (SESC No. 2012-03-012) on 03 May 2012 • Certificate of Commerciality No. SCC- 2015-10-037 dated 10 November 2015 CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: On-going construction (see FIT Monitoring Board)	June 2016 (On-going Testing and Commissioning)	January 2017
Committed	Sarrat Solar Power Project	Bosung Solartec, Inc. (BOSUNG)	Brgy. 21 San Marcos, Sarrat, Ilocos Norte	1	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Awarded with RE Service Contract (SESC No. 2016-02-276) on 19 Feb 2016 • Certificate of Commerciality No. SCC- 2016-03-052 dated 22 March 2016	January 2017	January 2017 (Target Testing and Commissioning)
	WIND GEOTHERMAL			0 43			
Committed	Maibarara 2 Geothermal Project	Maibarara Geothermal Inc.	Batangas	12	FEASIBILITY STUDY: On-going MARKETING OF GENERATING CAPACITIES: 1 The off-taker for generated power is still under negotiation PERMITS AND OTHER REGULATORY REQUIREMENTS: Project is within the existing DOE Service Contract within GRESC # 2010-02-012 LGU endorsement 1 LGU endorsement 0 ENRIE CC and water rights obtained 0 ENRIE CC and water rights obtained 0 ENRIE CC and water rights obtained • Confirmation of Commerciality obtained from DOE on 21 September 2015; FINANCING ARRANGEMENTS: • Project cost estimated PNP 1,848.30 Million	August 2017	August 2017
Committed	Bacman 3 (Tanawon) Geothermal Project	Energy Development Corporation	Guinlajon, Sorsogon	31	PERMITS AND OTHER REGULATORY REQUIREMENTS:	December 2018	December 2018 (Target Testing and Commissioning)

Committed	ACNPC WTE Biomass Power Plant Project	Asian Carbon Neutral Power Corporation	Tarlac	1.5	FINANCING ARRANGEMENTS: Closed CONSTRUCTION: • On-going construction	Phase 1 - January 2017 Phase 2 - TBD	Phase 1 - January 2017 (Target Testing and Commissioning) Phase 2 - TBD
Committed	Bicol Biomass Energy Corporation	Bicol Biomass Energy Corporation	Camarines Sur	4.5	FINANCING ARRANGEMENTS: Closed CONSTRUCTION: • On-going construction	January 2017	January 2017 (Target Testing and Commissioning)
Committed	AseaGas Biogas Power Plant Project	AseaGas Corporation	Batangas	6.1	CONSTRUCTION: • On-going construction	January 2017	January 2017 (Target Testing and Commissioning)
Committed	SJCIPower Rice Husk-Fired Biomass power Plant Project Phase 2	San Jose City I Power Corporation	Brgy. Tulat, San Jose, Nueva Ecija	10.8	PERMITS AND OTHER REGULTATOR REQUIREMENTS: BREOC NO. 2011-01:013 ECC, LGU, Land Use Permit Secured Clearance from DOE for the conduct of GIS on 21 July 2011 Issued Certificate Confirmation of Commerciality on 2 Sept 2013 GROUNDBREAKING SCHEDULES: Groundbreaking on 12 Oct 2013 BINANCING ARRANGEMENTS: Project Cost Php.1248 CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: EVC w/D Region of Singapore Proconstruction (100% completed as of 31 August 2014); Phase I- Estimated Accomplishment of Construction 98 % completed as of 31 August 2014) Remaining major equipment in-progress is the installation of traveling gate On-going installations of the feed water piping system, Chemical dosing pipeling, three control deiments of the boiler and other field instruments Expected arrival of switchyard is on May 2014 Interconnection (100% completed as of 31 August 2014) Proecontruction of switchyard is on May 2014 Interconnection (100% completed as of 31 August 2014) Proecing installations of the feed water piping system, Chemical dosing pipeline three pipeline system, Chemic	June 2017 (Subject to FIT)	July 2017 (Subject to FIT)
	Battery			10			
Committed	AES Battery Storage - Masinioc Project	AES Philippines Power Partners Co., LTD.	Masinloc, Zambales	10	PERMITS AND OTHER REGULTATOR REQURREMENTS: • Secured GIS on June 2, 2015; COE issued 16 December 2015 (1DMW BESS) • Receipt of ECC dated 5 Oct 2016 • Construction Substantial Completion (MPPCL) dated 11 May 2016 • WESM Registration - 01 July 2016 • Provisional Approval to Connect (NGCP) - 08 July 2016 • Approval of NCGP PGC Compliance Test Protocol for BESS (GMC) - 05 August 2016 • PGC Compliance Testing and Commissioning, including NGCP witnessing of Factory Acceptance Testing (NGCP) - 22 September 2016 • Receipt of Signed Metering Services Agreement (NGCP) - 03 October 2016 • Receipt of Signed Metering Services Agreement (NGCP) - 14 October 2016 • Ground breaking ceremony 15 December 2015 CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Construction on going COMMENCEMENT OF CONSTRUCTION: • Target Commencement of Construction: June 2016	Jan 2017	Dec 2017

Total Committed Rated Capacity 3527.915



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