PRIVATE SECTOR INITIATED POWER PROJECTS (LUZON)
COMMITTED
As of 30 Jun 2016

Committed/ Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Testing & Commissioning	Target Commercial Operation
	COAL			2802			
Committed	Anda Power Corporation Ciculating Fluidized Bed Coal Fired Power Plant	Anda Power Corporation	Brgy. Bundagul, Mabalacat, Pampanga	82	PERMITS AND OTHER REGULATORY REQUIREMENTS: • Asia Pacific Energy Corp was initially issued with ECC and subsequently transferred to ANDA based on the confirmation letter issued by DENR dated 18 February 2014; • Awaiting Certificate of Compliance • SEC Registration obtained on 10 May 2013 • PEZA Registration obtained on 30 September 2013 • WESM Registration obtained on 15 April 2015 • NGCP Grid Connection obtained on 11 August 2015 GROUNDBREAKING SCHEDULES: • done CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT • EPC Contracts with Formosa Heavy Industries and True North Manufacturing Services Corporation FINANCING ARRANGEMENTS: • Financial Arrangement Secured • Total Project Cost- $196,246,837.63; COMMENCEMENT OF CONSTRUCTION: • March 2014;	June 2015	July 2016 (Awaiting ERC Approval of PSA)

Committed	SLPGC Coal-Fired Power Plant Phase I	Southwest Luzon Power Generation Corporation (Project Company)	Brgy. San Rafael, Calaca, Batangas	300	PERMITS AND OTHER REGULATORY REQUIREMENTS: • GIS approved by NGCP on 8 November 2011; • ECC issued on 21 October 2011; Completed Feasibility Study July 2015; • Awaiting for the approval of NGCP for the Dasmariñas-Calaca • Reinforcement and right of way for the transmission lines; GROUNDBREAKING SCHEDULES: • -Groundbreaking - May 2012; FINANCING ARRANGEMENTS: • Secured on 24 February 2012 (60% Loan / 40% Equity); • Project cost for Phase I is Php20.4B CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Hydro testing for the boiler - 25 April 2014; • Embedded plate for turbine, ready for installation - Unit 1; • Complete Seawater Intake - June 2014; • On-going installation for panels - Unit II; • Expected to complete Coal yard operation by Mid-May 2014; • 230 kV Switchyard steel super structure is substantially completed; • On-going negotiations with prospective off-takes (DUs and those currently with PSAs and contestable market under Open Access Regime; • Site Mobilization / Commencement of Construction on May 2012; • Completed Steam Turbine Bed Plate Locating-Unit II; • Completed Boiler Test Hydro Test - Unit II; • On-going installaton of CW Piping; • On-going Central Control Room Civil Works; • Assembly and alignment of turbine on September 2014; • On-going erection/assembly of gantry steel structure (beam and columns) and equipment pedestal steel structure; • DCS Cabinet Unit 1 to be energized by the end of August 2014; COMMENCEMENT OF CONSTRUCTION: • EPC Contract signed March 2012 PERMITS AND OTHER REGULATORY REQUIREMENTS: • GIS approved by NGCP on 8 November 2011; • ECC issued on 21 October 2011; Completed Feasibility Study July 2015; • Awaiting for the approval of NGCP for the Dasmariñas-Calaca • Reinforcement and right of way for the transmission lines; • Awaiting approval of COC from ERC; GROUNDBREAKING SCHEDULES: • -Groundbreaking - May 2012; FINANCING ARRANGEMENTS: • Secured on 24 February 2012 (60% Loan / 40% Equity); • Project cost for Phase I is Php20.4B CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT: • Hydro testing for the boiler - 25 April 2014; • Embedded plate for turbine, ready for installation - Unit 1; • Complete Seawater Intake - June 2014; • On-going installation for panels - Unit II; • Expected to complete Coal yard operation by Mid-May 2014; • 230 kV Switchyard steel super structure is substantially completed; • On-going negotiations with prospective off-takes (DUs and those currently with PSAs and contestable market under Open Access Regime; • Site Mobilization / Commencement of Construction on May 2012; • Completed Steam Turbine Bed Plate Locating-Unit II; • Completed Boiler Test Hydro Test - Unit II; • On-going installaton of CW Piping;	Unit I -June 2015 Unit II - August 2015	Unit 1 - July 2016 Unit 2 - July 2016 (Awaiting COC)

					• On-going Central Control Room Civil Works; • Assembly and alignment of turbine on September 2014; • On-going erection/assembly of gantry steel structure (beam and columns) and equipment pedestal steel structure; • DCS Cabinet Unit 1 to be energized by the end of August 2014; COMMENCEMENT OF CONSTRUCTION: • EPC Contract signed March 2012 PERMITS AND OTHER REGULATORY REQUIREMENTS: • GIS approved by NGCP on 8 November 2011; • ECC issued on 21 October 2011; Completed Feasibility Study July 2015; • Awaiting for the approval of NGCP for the Dasmariñas-Calaca • Reinforcement and right of way for the transmission lines; GROUNDBREAKING SCHEDULES: • -Groundbreaking - May 2012; FINANCING ARRANGEMENTS: • Secured on 24 February 2012 (60% Loan / 40% Equity); • Project cost for Phase I is Php20.4B		
Committed	Limay Power Plant Project Phase I	SMC Consolidated Power Corporation	Brgy. Lamao, Limay, Bataan	300	ARRANGEMENT FOR SECURING THE REQUIRED LAND: Completed; MARKETING OF GENERATING CAPACITIES: • On-going electric power supply contract negotiation with prospective off-takers (DUs); PERMITS AND OTHER REGULATORY REQUIREMENTS: • Environmental Impact Assessment 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; • EPC was executed in January 2013; awarded; • ECC was issued on 17 September 2013; • SEC issued last 19 August 2011 • Clearance to Underatake GIS from DOE issued on 13 February 2013; • Addendum for the re run of SIS was submitted to NGCP last Jan 30, 2015 for review; GROUNDBREAKING SCHEDULES: • 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 Activities of Unit 1&2 2 x 150MW Power Plant - 2.30%; • 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;	Unit 1 - 150 MW -Feb 2016 Unit 2 - 150 MW -October 2016	Unit 1 - 150 MW - October 2016 Unit 2 - 150 MW -Jan 2017

Committed	**Pagbilao Coal-Fired Thermal Power Plant**	**Pagbilao Energy Corporation**	**Pagbilao Power Station, Nrgy. Ibabang Polo, Pagbilao, Quezon**	**420**	**FEASIBILITY STUDY:** • 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 • In final negotiations with NPC, PSALM, TeaM Energy Corporation and Therma Luzon, Inc. to co-locate the plant in the existing Pagbilao Power Station; **GROUNDBREAKING SCHEDULES:** • 23 July 2014	**Between May to November 2017**	**November 2017**
Committed	San Buenaventura Power Ltd. Co. (SBPL) Project	San Buenaventura Power Ltd. Co. (SBPL)	Mauban, Quezon	500	**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 revalidated 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 revalidated 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; • Secured Sanggunian Bayan Resolution No. 2014-269 endorsing the project to expand; • SIS completed in 2007 and is being revalidated; • Municipal LGU endorsement issued April 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-overlap issued on 29 August 2014 • 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;	December 2018	December 2019

Committed	Dinginin Expansion Project	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 DOE issued on 26 June 201;** **• Obtained LGU endorsements; BOI registration for 600 MW pre-approve** **• On-going SI;** **• On-going EIS for ECC application** **• On-going securing DOE 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 $1B • Provided bank certification, financial closing as of 18 March 2016 **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			**1200**			
Committed	**San Gabriel Avion Project**	**Prime Meridian PowerGen Corporation (Project Company) First Gen Corporation**	**Barangay Bolbok, Batangas**	**100**	**FEASIBILITY STUDY:** • Completed '**MARKETING OF GENERATING CAPACITIES:** • Off-taker: Discussion with target off-takers on-going; **PERMITS AND OTHER REGULATORY REQUIREMENTS:** • System Impact Study (SIS) was completed; • Amendment of Philippine Ports Authority (PPA) charter to accommodate for the right of way for the project site is still for approval by the Office of the President; • Engineering and design by the Contractors is ongoing finalization with parallel reviews being performed by PMPC and its Technical Consultants; • Excavation and ground preparation works by the EPC contractor are ongoing; • Procurement of plant equipment is continuing, with most of the major power plant components either being manufactured or are scheduled for delivery to the site; • On 18 Feb 2016, PMPC received the renewed DENR Permit-to-Operate Air Pollution Source and Control Installations dated 28 January 2016; • PMPC's ERC COC application is ongoing (Feb 2016); • Permit-to-Operate and Certification from City Engineer's Offica were received on 15 Feb 2016 with an official issuance date of 5 Feb 2016; • PMPC's application for an Occupancy Permit from the City Engineer's Office is ongoing **FINANCING ARRANGEMENTS:** Secured • Project cost is Php10B **CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:** • Delivery of the first of two (2) Gas Turbine and some ancillary equipment have arrived at the Port of Batangas on 5 October 2014 and are expected to be delivered to the site by 24 October 2014; • Shipment of the 2nd Gas Turbine and ancillary equipment is expected to arrive at the prot of Batangas by the end of October 2014; • All test are conducted such as Seismic, Geological and Hydro tests; • Seven (7) poles are to be set up for the transmission lines; • Signing of Contract with Meiscor for the construction of transmission line April 22, 2014; • Committed Arrival of the Turbine - September 2014; • PMPC executed contracts with relevant parties and have ongoing negotiations with various other parties for completion of the plant; **COMMENCEMENT OF CONSTRUCTION:** • Commencement of Construction will be on October 2013; • Completion of facility on April 2015 • Completion of testing and commissioning (with the availability of Natural gas from Malampaya) on May 2015 • PMPC executed contracts with relevant parties and have ongoing negotiations with various other parties for completion of the plant. • PMPC terminated EPC contracts with Istroenergo Group a.s. and Energy Project Completion Ltd.	**December 2015**	**July 2016**

Committed	**San Gabriel Power Plant (Phase II)**	**First NatGas Power Corp.**	**Santa Rita, Batangas**	**450**	**MARKETING OF GENERATING CAPACITIES:** • Discussion with target off takers targeted for the first half of 2014; still on-going (17 June 2015) **PERMITS AND OTHER REGULATORY REQUIREMENTS:** • Secured Clearance from DOE for the conduct of GIS on 18 February 2013 • Engineering, Procurement and Construction (EPC) and Operations Maintenance (O&M) contracts already awarded on December 16, 2013 • Ongoing application for the Permit to operate mechanical equipment such as boilers, pressure vessels etc from City Engineers office of Batangas; • Ongoing application for COE and MOA from DOE; • Ongoing application for ERC point to point connection of transmission lines for Sta. Rita, San Lorenzo switchyard; • Ongoing negotiations with NGCP for contract metering and Transmission Service Agreement; • SIS was approved by NGCP on 11 December 2013. • Processing of the application of COC with ERC is ongoing. Technical inspection is targeted to be done in the 3rd week of May 2016 • The application of First NatGas Power Corp (FNPC) to be a direct memer of WESM was approved on 26 February 2016 • San Gabriel achieved its first GT firing on 11 April 2016 • First synchronization to the grid was achieved on 13 April 2016 • Targeting to conduct its first combined-cycle operation on 04 May 2016 • Awaiting approval from DENR Central Office of the assignment of foreshore lease between First Gas Power Corp and FNPC • Permit to Operate application to the City Engineer's Office is ongoing. **FINANCING ARRANGEMENTS:** • Financial Arrangement with kfW Secured on 4 September 2014 • Project cost is US$600 Million; **COMMENCEMENT OF CONSTRUCTION:** • 16 December 2013; • 98.8% completed as of March 2016	**April 2016**	**July 2016**
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**	**FEASIBILIY STUDY:** • Completed **'ARRANGEMENT FOR SECURING THE REQUIRED LAND:** • Land is already secured with a long lease entered into since 2007 **MARKETING OF GENERATING CAPACITIES:** • No specific off taker yet but already have a discussion with Federation of Philippine Industries, intended to supply power into the Wholesale Electricity Spot Market but is also open to discussing potential off take arrangements as well • 100% WESM **PERMITS AND OTHER REGULATORY REQUIREMENTS:** • GIS for 300MW issued by NGCP on 8 August 2013 and revised on 3 July 2013 for 600MW • Issued DOE Endorsement for Revised Capacity on 3 July 2013; • Revised DOE clearance for GIS submitted to NGCP on January 2014 • GIS from NGCP for the 600MW was released on August 2014; • Several Resolutions has been issued on May 2014 (Sangguniang Barangay Resolution, Sangguniang Bayan Resolution and Sangguniang Panlalawigan Resolution) interposing no objection for the construction of a 600 MW Liquified Natural Gas (LNG) Power Plant; • On-going processing of ECC for power plant	**U1 - Jan 2017** **U2 - Apr 2017** **U3 - Jul 2017**	**U1 - Jan 2017** **U2 - Apr 2017** **U3 - Jul 2017**
	HYDROPOWER			**64.9**			
Committed	**Kapangan**	**Cordillera Hydro Electric Power Corporation**	**Kapangan & Kibungan, Benguet**	**60**	**PERMITS AND OTHER REGULATORY 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	**Magat A**	**Isabela Electric Cooperative, Inc.**	**Ramon, Isabela**	**1.4**	**CONSTRUCTION:** • On-going rehabilitation	**Feb 2020**	**Feb 2020**
Committed	**Magat B**	**Isabela Electric Cooperative, Inc.**	**Ramon, Isabela**	**1**	**CONSTRUCTION:** • On-going rehabilitation	**Feb 2020**	**Feb 2020**
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 **CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:** • Pending submission of requirements for construction	**March 2020**	**March 2020**
	SOLAR			**52.975**			
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	September 2016
Committed	Dalayap Solar Power Project	NV Vogt Philippines Solar Energy Four, Inc. (NV VOGT 4)	Brgy. Dalayap, Tarlac City, Tarlac	7.48	**PERMITS AND OTHER REGULATORY REQUIREMENTS:** • Awarded with RE Service Contract (SESC No. 2016-02-278) on 19 Feb 2016 • Certificate of Commerciality No. SCC- 2016-03-049 dated 14 March 2016	March 2016	September 2016
Committed	Armenia Solar Power Project	NV Vogt Philippines Solar Energy Three, Inc. (NV VOGT 3)	Brgy. Armenia, Tarlac City, Tarlac	8.84	**PERMITS AND OTHER REGULATORY REQUIREMENTS:** • Awarded with RE Service Contract (SESC No. 2016-02-227) on 19 Feb 2016 • Certificate of Commerciality No. SCC- 2016-03-050 dated 14 March 2016	March 2016	September 2016
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	March 2016	September 2016
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)	March 2016	September 2016
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)	March 2016	September 2016

Committed	Sta. Rita Solar Phase 1 Power Project	Jobin-Sqm Inc.	Morong and Hermosa, Bataan	7.14	**PERMITS AND OTHER REGULATORY REQUIREMENTS:** • Awarded with Solar Energy Service Contract (SESC No. 2013-10-039) on 30 October 2013; • Certificate of Commerciality No. SCC- 2015-09-021 dated28 August 2015; **CONSTRUCTION:** • On-going construction (see FIT Monitoring Board)	March 2016	December 2016
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	June 2016	December 2016
	WIND			**0**			
	GEOTHERMAL			**43**			
Committed	Maibarara 2 Geothermal Project	Maibarara Geothermal Inc.	Batangas	12	**FEASIBILITY STUDY:** On-going **MARKETING OF GENERATING CAPACITIES:** • 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 • Land Use permits • DENR-ECC and water rights obtained • Secured Certificate of Non-overlap from NCIP regional Office IV • Confirmation of Commerciality obtained from DOE on 21 September 2015; **FINANCING ARRANGEMENTS:** • Project cost estimated PhP 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:** • DOE Service Contract within GRESC # 2009-10-003; • LGU endorsement • Land Use Permits, • DENR-ECC • Water Rights obtained; • Turnkey Contract pending result of feasibility study under negotiation; • Submitted Declaration of Commerciality (DOC) on 17 June 2014, evaluation by DOE of the DOC is still on-going; **FINANCING ARRANGEMENTS:** • Project to be finance by EDC; • Project cost estimated $140M-180M	December 2017	2nd Half 2017 (Target Testing and Commissioning)
	BIOMASS			**22.9**			
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 2016** **Phase 2 - TBD**	**Phase 1 - August 2016** **Phase 2 - TBD**

Committed	**Bicol Biomass Energy Corporation**	**Bicol Biomass Energy Corporation**	**Camarines Sur**	**4.5**	**FINANCING ARRANGEMENTS:** Closed **CONSTRUCTION:** • On-going construction	**June 2016**	**August 2016**
Committed	**AseaGas Biogas Power Plant Project**	**AseaGas Corporation**	**Batangas**	**6.1**	**CONSTRUCTION:** • On-going construction	**June 2016**	**August 2016**
Committed	**SJCiPower Rice Husk-Fired Biomass power Plant Project**	**San Jose City I Power Corporation**	**Brgy. Tulat, San Jose, Nueva Ecija**	**10.8**	**PERMITS AND OTHER REGULATORY 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 **FINANCING ARRANGEMENTS:** • Project Cost Php1.234B **CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:** • EPC w/ Engcon of Singapore • Pre-construction (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 travelling gate • On-going installations of the feed water piping system, chemical dosing pipeline, three control elements of the boiler and other field instruments • Expected arrival of switchyard is on May 2014 • Interconnection (100% completed as of 31 August 2014) • On-going construction as of 30 September 2014 • Pre-Construction - 100%; Construction-98%; Interconnection-100%)	**Phase 1 - Operational** **Phase 2 - June 2017 (Subject to FIT)**	**Phase 1 - November 2014 (Operational)** **Phase 2 - July 2017 (Subject to FIT)**

	Battery			10			
Committed	AES Battery Storage - Masinloc Project	AES Philippines Power Partners Co., LTD.	Masinloc, Zambales	10	**PERMITS AND OTHER REGULATORY REQUIREMENTS:** • Secured GIS on June 2, 2015; COE issued 16 December 2015 (10MW BESS) **GROUNDBREAKING SCHEDULES:** • Ground breaking ceremony 15 December 2015 **CONSTRUCTION CONTRACTS FOR PLANTS AND EQUIPMENT:** • Construction on going **COMMENCEMENT OF CONSTRUCTION:** • Target Commencement of Construction: June 2016	Dec 2016	Dec 2017

Total Committed Rated Capacity **4185.775**

*** Committed Project(s)**

COAL	2802
DIESEL / OIL	-
NATURAL GAS	1200
GEOTHERMAL	43
HYDROPOWER	64.9
SOLAR	52.975
WIND	0
BIOMASS	22.9
BESS	10
	4185.775
	TRUE