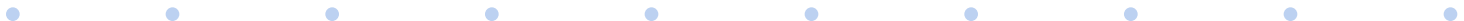




ENERGY PROJECTS IN REGION IV-A AND MINDORO PROVINCES

JUNE 10, 2014
HOTEL KIMBERLY, TAGAYTAY CITY





SUMMARY OF ENERGY PROJECTS IN REGION VI



RESOURCE	STATUS			TOTAL
	INDICATIVE	COMMITTED	EXISTING	
Conventional	6	6	13	25
RE	2	4	8*	14
	IN PROCESS	AWARDED	EXISTING	TOTAL
RE	10	55	8*	73
<i>Hydro</i>	9	30	1	40
<i>Wind</i>		5		5
<i>Solar</i>	1	8	1	10
<i>Geothermal</i>		5	2	7
<i>Biomass</i>		7	4	11
	EXPLORATION	DEV'T & PRODUCTION		
OIL	2			2
TOTAL ENERGY PROJECTS IN REGION IV-A and MINDORO				106



SUMMARY OF ENERGY PROJECTS IN REGION IV-A



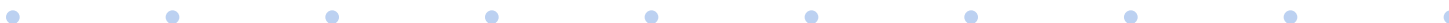
PROVINCE	STATUS						TOTAL
	EXISTING POWER PLANTS	EXISTING RE	AWARDED	IN PROCESS	INDICATIVE	COMMITTED	
<u>BATANGAS</u>	4	2	5	-	2	5	18
<u>CAVITE</u>		1	4	-	-	-	5
<u>LAGUNA</u>	6	2	4	4	1	-	17
<u>QUEZON</u>	2	-	17	3	3	1	26
<u>RIZAL</u>	1	2	11	1	2	1	18
<u>OCCIDENTAL MINDORO</u>		-	1	-	-	-	1
<u>ORIENTAL MINDORO</u>		1	13	2	-	3	19



EXISTING POWER PLANTS IN BATANGAS



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource
1	Calaca	Calaca Coal Power Plant	600.0	DMCI Holdings, Inc.	Coal
2	Ilijan	Ilijan Natural Gas Power Plant	1,271.0	KEPCO (Ilijan)	Natural Gas
3	Sta. Rita	Sta. Rita Natural Gas Power Plant	1,060.0	First Gas Power Corp.	Natural Gas
4	Sta. Rita	First Gas B (San Lorenzo) Natural Gas Power Plant	530.0	First Gas Power Corp.	Natural Gas





AWARDED RENEWABLE ENERGY PROJECTS IN BATANGAS



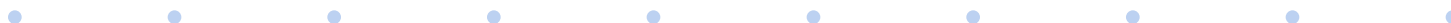
	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Nasugbu	CADPI Bagasse Cogeneration Facility	25.52	Central Azucarera de Tarlac	Biomass	Existing (Own-Use)
2	Sto. Tomas / Los Baños & Calamba	Maibarara Geothermal Project	20.0	Maibarara Geothermal Inc.	Geothermal	Existing
3	Sto. Tomas	MSCI Biomass Gasifier Project	TBD	Mariwasa Siam Ceramics Inc.	Biomass	Awarded (Own-Use)
4	San Juan, Rosario, Lobo & Taysan	San Juan Geothermal Power Project	20.0	San Juan Geothermal Power Inc.	Geothermal	Awarded, Pre-Development Contract
5	Lipa City	Lima Technology Center Solar Power Project	10.0	Limasolar Inc.	Solar	Awarded, Pre-Development Contract



AWARDED RENEWABLE ENERGY PROJECTS IN BATANGAS



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
6	Lian	9,000MT per year Liquid BioMethane Production Plant Project	TBD	AseaGas Corp	Biomass	Awarded
7		Makban Geothermal Power Project	TBD	Philippine Geothermal Production Co., Inc.	Geothermal	Awarded, Pre-Development Contract





COMMITTED POWER PROJECTS IN BATANGAS



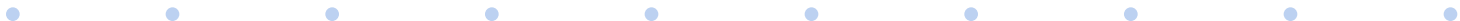
	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Calaca	Puting Bato Coal-Fired Power Plant Phase I	135.0	South Luzon Thermal Energy Corp.	Coal	Started Construction in December 2011 Target Testing & Commissioning - May 2014;
2	Calaca	SLPGC Coal-Fired Power Plant Phase I	300.0	Southwest Luzon Power Generation Corp.	Coal	Started Construction in May 2012; Target Testing & Commissioning 1st Unit - Nov 2014/ 2nd Unit-Feb 2015;
3	Calaca	Puting Bato Coal-Fired Power Plant Phase II	135.0	South Luzon Thermal Energy Corp.	Coal	Started Construction - August 2013; Target Testing and Commissioning will be on June 2015; Target Commercial Operation - November 2015



COMMITTED POWER PROJECTS IN BATANGAS



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
4	Batangas City	San Gabriel Avion Project	100.0	Prime Meridian PowerGen Corp. (First Gen Corp.)	LNG	On-going securing of permits and other regulatory requirements; Acquisition of the parcels of the land in the target plant site is on-going; Discussion with target off-takers on-going
5	San Gabriel	San Gabriel Power Plant	450.0	First Gas Power Corp.	LNG	Target Testing and Commissioning; December 2015; Target Commercial Operation: March 2016

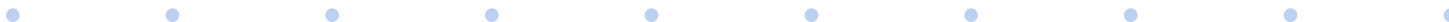




INDICATIVE POWER PROJECTS IN BATANGAS



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Calaca	SLPGC Coal-Fired Power Plant Phase II	300.0	Southwest Luzon Power Generation Corp.	Coal	On-going securing necessary permits; On-going financing negotiations with prospective banks; Target Testing & Commissioning - 2016; Target Commercial Operation - 2017
2	Batangas City	415 MW San Isidro Combined Cycle Gas Turbine Plant Project	415.0	Trans Asia Oil and Energy Development Corp.	LNG	TAOil and its Consultants is performing a Feasibility and Pre-Engineering Study; Commercial Operations by the Third Quarter of 2017





AWARDED RENEWABLE ENERGY PROJECTS IN CAVITE



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Gen. Trias	Cavite Pig City Biogas Waste to Energy Facility	1.0	Cavite Pig City Inc.	Biomass	Existing (Own - Use)
2	Silang	Eurotiles Rice Hull Gasification Facility	TBD	Eurotiles Industrial Corp.	Biomass	Awarded (Own – Use)
3	Rosario and Gen. Trias	Cavite Economic Zone Solar Power Project	40.0	Majestics Energy Corp.	Solar	Awarded; With Declaration of Commerciality; Under evaluation
4	Naic	Naic Solar Power Project	10.0	Naicsolar, Inc.	Solar	Awarded, Pre-Development Contract
5	Noveleta, Rosario, Gen. Trias & Tanza	Cavite Solar Power Project	20.0	Enfinity Philippines Renewable Resources Inc.	Solar	Awarded; With Declaration of Commerciality; Under evaluation



EXISTING POWER PLANTS IN LAGUNA



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource
1	Kalayaan	Botocan Hydro Power Plant	23.0	CBK Power Company Ltd.	Hydro
2	Lumban	Caliraya Hydro Power Plant	23.0	CBK Power Company Ltd.	Hydro
3	Kalayaan	Kalayaan Hydro Power Plant	709.0	CBK Power Company Ltd.	Hydro
4	Nagcarlan	Balugbog Hydro Power Plant	0.7	Phil. Power Dev. Co.	Hydro
5	San Pablo	Palapaquin Hydro Power Plant	0.4	Phil. Power Dev. Co.	Hydro
6	Kalayaan	San Juan River Hydro Power Plant	0.2	Kalayaan Ice Plant	Hydro





AWARDED RENEWABLE ENERGY PROJECTS IN LAGUNA



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	San Pedro	San Pedro Landfill Methane Recovery and Electricity Generation	4.0	Bacavalley energy Inc.	Biomass	Existing
2	Calauan	Mak-Ban Geothermal Power Plant	458.0	AP Renewables Inc.	Geothermal	Existing
3	Calamba	Canlubang Solar Power Project	0.206	Transnational Renewable Energy Corp.	Solar	Awarded, Pre-Development Contract
4	Pangil / Real & Mauban	Siniloan Hydroelectric Power Project	35.0	Sierra Madre Water Corp.	Hydro	Awarded, Pre-Development Contract
5	Majayjay	Majayjay	2.20	Majayjay Hydropower Company, Inc.	Hydro	Awarded, Pre-Development Contract
6		Mt. Puting Lupa Geothermal Power Project	TBD	Filtech Energy and Development Corp.	Geothermal	Awarded, Pre-Development Contract



PENDING RE PROJECT APPLICATION IN LAGUNA



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Liliw	Maimpis	1.01	Liliw Hydropower Corp.	Hydro	In Process
2	Liliw	Lilio	2.30	Liliw Hydropower Corp.	Hydro	In Process
3	Nagcarlan	Nagcarlan 2 Hydropower Power	8.0	La Cumbre Energy Company, Inc.	Hydro	In Process
4	Biñan	Laguna Solar Power Project	0.70	Solar Philippines Commercial Rooftop Projects, Inc.	Solar	In Process





INDICATIVE POWER PROJECTS IN LAGUNA



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Calamba	Aero Derivative Combined Cycle Power Plant	150.0	Calamba Aero Power Corp.	Oil	On-going securing of permits and other regulatory requirements; granted clearance by DOE for the conduct of System Impact Study





EXISTING POWER PLANTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource
1	Pagbilao	Pagbilao Coal-Fired Power Plant	764.0	Quezon Power Phils.	Coal
2	Mauban	Quezon Power Coal-Fired Power Plant	511	Quezon Power Phils.	Coal





AWARDED RENEWABLE ENERGY PROJECTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Tagkawayan	JTM Industrial Farm Biogas Power Generation Project	0.30	JTM Industrial Farms	Biomass	Awarded (Own-Use)
2	Candelaria	Biogas Power Plant	0.50	Asia Goldenstar Dragon, Inc. (formerly JTM Industrial Farms)	Biomass	Awarded (Own-Use)
3	Calauag	Calauag Wind Power Project	10.0	Trans-Asia Renewable Energy Corp.	Wind	Awarded, Pre-Development Contract
4	Infanta	Infanta Wind Power Project	10.0	Trans-Asia Renewable Energy Corp.	Wind	Awarded, Pre-Development Contract
5	Tagkawayan	Quezon Solar Power Project	0.504	JTM Industrial Farms	Solar	Awarded (Own – Use)



AWARDED RENEWABLE ENERGY PROJECTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
6	Burdeos	Burdeos Solar Power Project	2.0	Enfinity Philippines Renewable Resources Inc.	Solar	Awarded, Pre-Development Contract
7	Lucban	Maapon Hydroelectric Power Project	3.30	Renesons energy Corp.	Hydro	Awarded, Pre-Development Contract
8	Mauban	Calmenue	2.0	Sta. Clara Power Corp.	Hydro	Awarded, Pre-Development Contract
9	Real	Kinanliman	4.0	LGU of Real	Hydro	Awarded, Pre-Development Contract
10	Real	Labayat Reiver (Upper Cascade)	7.0	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract



AWARDED RENEWABLE ENERGY PROJECTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
11	Real	Piapi River	3.30	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract
12	Real	Labayat Reiver (Lower Cascade)	2.8	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract
13	Real	Kilolorum	2.4	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract
14	Real	Tignoan River (Upper Cascade)	3.50	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract
15	Real	Lalavinan River (Lower Cascade)	7.0	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract



AWARDED RENEWABLE ENERGY PROJECTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
16	Real	Tibag	5.0	Repower Energy Development Corporation	Hydro	Awarded, Pre-Development Contract
17	Tayabas - Lucban	Tayabas – Lucban Geothermal Power Project	TBD	Tayabas Geothermal Power Inc.	Geothermal	Awarded, Pre-Development Contract





COMMITTED POWER PROJECTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Pagbilao	Pagbilao 600 MW Combined Cycle Gas Fired Power Plant	600.0	Energy World Corporation	LNG	Started Construction in December 2013; Target Testing and Commissioning (2014: 1st Unit -200MW, 2015:2nd Unit-200MW, 2016:3rd Unit-200MW); Target Commercial Operation: (2014: 1st Unit -200MW, 2015:2nd Unit-200MW, 2016:3rd Unit-200MW)





INDICATIVE POWER PROJECTS IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Atimonan	LNG-Fired Combined Cycle Power Plant Onshore Regasification and Storage Terminal	1,750.0	Meralco PowerGen Corp. and Chubu Electric Power	LNG	On-going Feasibility Study (Joint Study Agreement - Meralco PowerGen Corp. & Chubu Electric Power)
2	Mauban	San Buenaventura Power Ltd. Co. Project	500.0	San Buenaventura Power Ltd. Co.	Coal	Target commencement of construction - July 2014. Target Testing and Commissioning - July 2017. Target Commercial Operation July 2018. Design and construction to start June 2014
3	Pagbilao	Pagbilao Coal-Fired Thermal Power Plant	420.0	Pagbilao Energy Corporation	Coal	Target Commencement of Construction: July 2014; Target Testing and Commissioning: January 2018; Target Commercial Operation: March 2018



PENDING RE PROJECT APPLICATION IN QUEZON



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Mauban	Laginbayan	24.0	Sta. Clara Power Corp.	Hydro	In Process
2	Mauban	Laguio (Laginbayan) Malaki 2	3.70	Enervantage Supplier's Company, Inc.	Hydro	In Process
3	Real	Tignoan	20.0	Aurora All Asia Energy Corp.	Hydro	In Process





EXISTING POWER PLANTS IN RIZAL



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource
1	Pililla	Malaya Thermal Power Plant	650	KEPHILCO	Oil





AWARDED RENEWABLE ENERGY PROJECTS IN RIZAL



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Rodriguez	Montalban Landfill Methane Recovery and Electricity Generation	14.81	Montalban Methane Power Corp.	Biomass	Existing
2	Rodriguez	Refuse-Derived Fuel (RDF) Processing Plant Project		Green Alternative Technology Specialist, Inc.	Biomass	Awarded
3	Tanay – Pililla - Mabitac	Pililla Wind Power Project	67.50	Alternergy wind One Corp.	Wind	Development Contract
4	Pililla – Mabitac - Pakil	Mt. Sembrano Wind Power Project	72.0	Alternergy Sembrano Wind Corp.	Wind	Development Contract
5	Taytay	Taytay Solar Power Project	0.08	J.S. Construction & Development, Inc.	Solar	Existing (Own – Use)



AWARDED RENEWABLE ENERGY PROJECTS IN RIZAL



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
6	Rodriguez	Macabud Solar Power Project	30.0	ATN Philippines Solar Energy Group, Inc.	Solar	Development Contract
7	Antipolo	Nangka 1 River	1.85	Hydrotec Renewables, Inc.	Hydro	Awarded
8	Antipolo	Hinulugang Taktak	2.24	Hydrotec Renewables, Inc.	Hydro	Awarded
9	Rodriguez	Marikina Upper 2 River	6.87	Hydrotec Renewables, Inc.	Hydro	Awarded
10	Rodriguez	Marikina 1 River	1.89	Hydrotec Renewables, Inc.	Hydro	Awarded



AWARDED RENEWABLE ENERGY PROJECTS IN RIZAL



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
11	Rodriguez	Montalban 2 River	1.85	Hydrotec Renewables, Inc.	Hydro	Awarded
12	Rodriguez	Wawa Pumped Storage 1	500.0	San Lorenzo Ruiz Builders & Developers Group, Inc.	Hydro	Awarded
13	Rodriguez	Wawa Pumped Storage 3	50.0	San Lorenzo Ruiz Builders & Developers Group, Inc.	Hydro	Awarded
14	Rodriguez	Wawa Pumped Storage 2	100.0	San Lorenzo Ruiz Builders & Developers Group, Inc.	Hydro	Awarded
15	San Mateo	Marikina 3 River	2.46	Hydrotec Renewables, Inc.	Hydro	Awarded



PENDING RE PROJECT APPLICATION IN RIZAL



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Pililia	Pililia A Pumped Storage	300.0	Tran-Asia Energy Development Corporation	Hydro	In Process





INDICATIVE POWER PROJECTS IN RIZAL



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Mabitac	Phase 2: Mabitac Wind Power Project	72.0	Alternergy Sembrano Wind Corp.	Wind	Evaluation of Declaration of Commerciality is on-going; Negotiation for financial closing is on-going.





AWARDED RENEWABLE ENERGY PROJECTS IN OCC. MINDORO



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Abra de Ilog	Abra de Ilog Wind Power Project	40.0	Alternergy Philippine Holdings Corp.	Wind	Awarded, Pre-Development Contract





AWARDED RENEWABLE ENERGY PROJECTS IN ORIENTAL MINDORO



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Bongabong	VM Agbayani Rice Mill Rice Husk-Fired Power Plant	0.40	V. M. Agbayani Rice Mill.	Biomass	Awarded
2	Baco	Dulangan Hydroelectric Power Project	18.0	PNOC – Renewables Corp.	Hydro	Awarded, Pre-Development Contract
3	Baco	Linao-Cawayan (Lower Cascade) Hydroelectric Power Plant	2.10	Oriental Mindoro Electric Coop., Inc.	Hydro	Awarded, Pre-Development Contract
4	Baco	Linao-Cawayan (Upper Cascade) Hydroelectric Power Plant	2.10	Oriental Mindoro Electric Coop., Inc.	Hydro	On-going construction.
5	Bongabong	Bongabong	2.60	S & B Power Corporation	Hydro	Awarded, Pre-Development Contract



AWARDED RENEWABLE ENERGY PROJECTS IN ORIENTAL MINDORO



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
6	Bongabong	Bongabong Hydroelectric Power Project	10.0	Constellation Energy Corp.	Hydro	Awarded, Pre-Development Contract
7	Naujan	Catuiran (Upper Cascade) Hydroelectric Power Project	8.0	PhilNew Hydro Power Corp.	Hydro	Awarded, Pre-Development Contract
8	Naujan	Catuiran Hydroelectric Power Project	8.0	Sta. Clara Power Corp.	Hydro	Committed; Ground breaking held in January 2013. Issued Confirmation of Commerciality on 07 February 2013.
9	Naujan	Mag-asawang Tubig B	1.0	Philippine Hybrid Energy Systems, Inc.	Hydro	Awarded, Pre-Development Contract
10	San Teodoro	Alag Hydroelectric Power Project	20.0	Constellation Energy Corp.	Hydro	Awarded, Pre-Development Contract



AWARDED RENEWABLE ENERGY PROJECTS IN ORIENTAL MINDORO



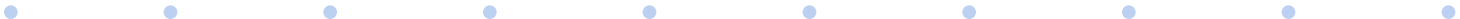
	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
11	San Teodoro	Inabasan Hydroelectric Power Project	10.0	Ormin Power, Inc.	Hydro	Ground breaking held on 29 July 2013. Issued Confirmation of Commerciality on 28 May 2013
12	San Teodoro	Linao Cawayan Phase 1 (tail-end)	1.30	Mindoro Grid Corporation	Hydro	Awarded, Pre-Development Contract
13	San Teodoro	Linao Cawayan Phase 2 (tail-end)	1.00	Mindoro Grid Corporation	Hydro	Awarded, Pre-Development Contract
14	Victoria	Mag-asawang Tubig A	6.50	Philippine Hybrid Energy Systems, Inc.	Hydro	Awarded, Pre-Development Contract
15		Montelago Geothermal Project	40.0	Emerging Power Inc.	Geothermal	Awarded, Pre-Development Contract



AWARDED RENEWABLE ENERGY PROJECTS IN ORIENTAL MINDORO



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
16	Bulalacao	Bulalacao Wind Power Project	TBD	PhilCarbon, Inc.	Wind	Awarded, Pre-Development Contract
17	Puerto Galera	Puerto Galera Wind Power Project	48.0	Philippine Hybrid Energy Systems, Inc.	Wind	Awarded, Pre-Development Contract





PENDING RENEWABLE ENERGY APPLICATIONS IN ORIENTAL MINDORO



	Municipality	Project Name	Capacity (MW)	Company Name	Energy Resource	Status
1	Bansud	Bansud	1.5	Sunwest Water & Electric Co., Inc.	Hydro	In Process
2	Baco	San Ignacio Mini Hydro Power Project	0.50	Alpaparay Resort & Dev't. Corp.	Hydro	In Process





EXISTING PETROLEUM SERVICE CONTRACTS



	Province	Location	Service Contract No.	Company Name
1	Mindoro	Offshore Mindoro	47	Philippine National Oil Co. – Exploration Corporation
2	Mindoro	Onshore Mindoro	53	Pitkin Petroleum Ltd.





THANK YOU !

**Investment Promotion Office
Department of Energy
D.L. 840-2255
T.L. 479-2900 LOC. 389/371
Email : doe_ipo@doe.gov.ph**

