

**PUBLIC-PRIVATE PARTNERSHIP (PPP) PRIORITY PROJECTS IN
POWER, ENERGY AND ELECTRIFICATION
(BY SUPER REGION)**

ANNEX 2

PROJECT TITLE/DESCRIPTION	IMPLEMENTING AGENCY / INSTITUTION	TOTAL REMAINING PROJECT COST IN PHP MILLIONS	FINANCING SOURCE ¹
NORTH LUZON SUPER REGION			
SUBSECTOR: ELECTRIFICATION/DISTRIBUTION			
ONGOING			
Consolidated Barangay Electrification Program Barangay Electrification through Public-Private Partnership - KEPCO (North Luzon Component)	Private Sector	107.00	Private Sector
SUBTOTAL ONGOING		107.00	
PROPOSED			
SUBTOTAL PROPOSED		0.00	
SUBSECTOR: POWER GENERATION			
ONGOING			
Ambuklao HEP Uprating Project	Private Sector	11,088.00	Private Sector
Binga HEP Uprating Project	Private Sector	2,534.40	Private Sector
Masinloc Coal Fired Power Plant (CFPP) Major Overhaul Project	Private Sector	1,153.36	Private Sector
17.5 MW Nueva Ecija Biomass Power Project	Private Sector	1,680.00	Private Sector
17.5 MW Malasiqui Biomass Power Project	Private Sector	1,680.00	Private Sector
SUBTOTAL ONGOING		18,135.76	
PROPOSED			
Power Generation for Luzon Island Grid			
75MW Power Generation for Luzon - Peaking (2010)	Private Sector	7,200.00	Private Sector
150MW Power Generation for Luzon - Peaking and Midrange (2012)	Private Sector	14,400.00	Private Sector
225MW Power Generation for Luzon - Peaking and Midrange (2013-2015)	Private Sector	64,800.00	Private Sector
300MW Power Generation for Luzon - Peaking and Midrange (2016-2017)	Private Sector	57,600.00	Private Sector

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17.5 MW Isabela Biomass Power Project Phase 2	Private Sector	1,680.00	Private Sector
86 MW Burgos Wind Project Burgos, Ilocos Norte (formerly North Luzon Wind Project)	Private Sector	9,907.20	Private Sector
40 MW Pagudpud Wind Power Project	Private Sector	4,608.00	Private Sector
Northwind Pamplona Wind Power Project	Private Sector	3,456.00	Private Sector
SUBTOTAL PROPOSED		163,651.20	
SUBSECTOR: TRANSMISSION			
ONGOING			
Luzon S/S Expansion 1 (North Luzon Component)	National Grid Corporation of the Philippines (NGCP)	44.62	Private Sector
SUBTOTAL ONGOING		44.62	
PROPOSED			
Luzon S/S Expansion 2 (North Luzon Component)	National Grid Corporation of the Philippines (NGCP)	332.98	Private Sector
SUBTOTAL PROPOSED		332.98	
SUBSECTOR: SUPPORTING INFRASTRUCTURE			
ONGOING			
SUBTOTAL ONGOING		0.00	
PROPOSED			
Ethanol Project: Pampanga Industrial Park Corporation (Cagayan Economic Zone)	Private Sector	7,350.00	Private Sector
SUBTOTAL PROPOSED		7,350.00	
SUBTOTAL ALL ONGOING		18,287.38	
SUBTOTAL ALL PROPOSED		171,334.18	
SUBTOTAL NORTH LUZON SUPER REGION		189,621.56	

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URBAN LUZON SUPER REGION			
SUBSECTOR: ELECTRIFICATION/DISTRIBUTION			
ONGOING			
Consolidated Barangay Electrification Program Barangay Electrification through Public-Private Partnership - KEPCO (Luzon Urban Beltway Component)	Private Sector	6.00	Private Sector
SUBTOTAL ONGOING		6.00	
PROPOSED			
SUBTOTAL PROPOSED		0.00	
SUBSECTOR: POWER GENERATION			
ONGOING			
Circulating Fluidized Bed (CFB) Coal Fired Power Plant	Private Sector	4,800.00	Private Sector
Subic 2x150MW Coal-Fired Power Plant	Private Sector	28,800.00	Private Sector
SUBTOTAL ONGOING		33,600.00	
PROPOSED			
Mariveles Coal-Fired Power Plant (formerly known as 600MW GN Power Coal-fired power plant)	Private Sector	57,600.00	Private Sector
Power Generation for Luzon Island Grid			
75MW Power Generation for Luzon - Peaking (2010)	Private Sector	7,200.00	Private Sector
150MW Power Generation for Luzon - Peaking and Midrange (2012)	Private Sector	14,400.00	Private Sector
225MW Power Generation for Luzon - Peaking and Midrange (2013-2015)	Private Sector	64,800.00	Private Sector
300MW Power Generation for Luzon - Peaking and Midrange (2016-2017)	Private Sector	57,600.00	Private Sector
Kalayaan Pumped Storage Power Plant III (CBK Expansion)	Private Sector	34,560.00	Private Sector
17.5 MW Mindoro Biomass Power Project Phase 2	Private Sector	1,680.00	Private Sector
Quezon Wind Farm Power Project	Private Sector	5,760.00	Private Sector
Quezon Power Expansion Project	Private Sector	45,600.00	Private Sector
400MW Expansion of Pagbilao Coal-Fired Power Plant	Private Sector	38,400.00	Private Sector
San Gabriel Power Plant	Private Sector	52,800.00	Private Sector
Quezon LNG Combined Cycle Gas Turbine Power Plant	Private Sector	28,800.00	Private Sector
SUBTOTAL PROPOSED		409,200.00	

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SUBSECTOR: TRANSMISSION			
ONGOING			
Luzon S/S Expansion 1 (Urban Beltway Component)	National Grid Corporation of the Philippines (NGCP)	55.78	Private Sector
Biñan-Sucacat 230 kV T/L Project	National Grid Corporation of the Philippines (NGCP)	354.76	Private Sector
Mariveles Coal Associated & Complimentary T/L Project (Connection Asset)	National Grid Corporation of the Philippines (NGCP)	84.83	Private Sector
Mariveles Coal Associated & Complimentary T/L Project (Network Asset)	National Grid Corporation of the Philippines (NGCP)	113.58	Private Sector
SUBTOTAL ONGOING		608.95	
PROPOSED			
Dasmariñas-Rosario 115 kV T/L Project	National Grid Corporation of the Philippines (NGCP)	74.64	Private Sector
Luzon Voltage Improvement Project	National Grid Corporation of the Philippines (NGCP)	169.25	Private Sector
Luzon Transmission Equipment Upgrade Project	National Grid Corporation of the Philippines (NGCP)	761.18	Private Sector
Transformer for Araneta Substation and Sucacat-Araneta Transmission Bypass Project	National Grid Corporation of the Philippines (NGCP)	243.36	Private Sector
Replacement Program for San Jose S/S 500 kV Power Transformers	National Grid Corporation of the Philippines (NGCP)	3,092.37	Private Sector
PCB Replacement Project (Luzon Urban Beltway Component)	National Grid Corporation of the Philippines (NGCP)	62.22	Private Sector
SUBTOTAL PROPOSED		4,403.02	
SUBSECTOR: SUPPORTING INFRASTRUCTURE			
ONGOING			
SUBTOTAL ONGOING		0.00	

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PROPOSED			
Batangas to Manila Pipeline (Batman - 1)	Philippine National Oil Company (PNOC)/PNOC-Exploration Corporation (PNOC-EC)/ Private Sector	1,501.92	GOCC/Private Sector
Integrated Liquefied Natural Gas (LNG) Terminal, Power Plants and Bataan to Manila Pipeline Project (Batman - 2)	Philippine National Oil Company (PNOC)/PNOC-Exploration Corporation (PNOC-EC)/ Private Sector	46,515.36	GOCC/Private Sector
Ethanol Project: Biofuels 88 (Bataan)	Private Sector	970.20	Private Sector
SUBTOTAL PROPOSED		48,987.48	
SUBTOTAL ALL ONGOING		34,214.95	
SUBTOTAL ALL PROPOSED		462,590.50	
SUBTOTAL URBAN LUZON SUPER REGION		496,805.45	

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CENTRAL PHILIPPINES SUPER REGION			
SUBSECTOR: ELECTRIFICATION/ DISTRIBUTION			
ONGOING			
Consolidated Barangay Electrification Program Barangay Electrification through Public-Private Partnership - KEPCO and Team Energy (Central Philippines Component)	Private Sector	104.24	Private Sector
SUBTOTAL ONGOING		104.24	
PROPOSED			
SUBTOTAL PROPOSED		0.00	
SUBSECTOR: POWER GENERATION			
ONGOING			
200 MW Cebu Coal-Fired Power Plant	Private Sector	20,160.00	Private Sector
246 MW Cebu Clean Coal Power Project	Private Sector	21,524.71	Private Sector
164 MW Panay Clean Coal Power Plant	Private Sector	20,383.14	Private Sector
SUBTOTAL ONGOING		62,067.85	
PROPOSED			
8 MW Villasiga Hydropower Plant Project	Local Government Units (LGUs)/ Private Sector	74.64	Local Government Units (LGUs)/ Private Sector
23.5 MW Timbaban Hydropower Plant Project	Private Sector	219.26	Private Sector
100 MW Panay Coal-Fired Power Plant	Private Sector	9,600.00	Private Sector
20 MW Nasulo Power Plant (formerly Palinpinon II Optimization Project)	Private Sector	2,880.00	Private Sector
17.5 MW Panay Biomass Power Project	Private Sector	1,680.00	Private Sector
50MW Power Generation for Visayas - Peaking (2011-2017)	Private Sector	33,600.00	Private Sector
Tanawon Geothermal Project	Private Sector	7,680.00	Private Sector
Rangas Geothermal Project	Private Sector	7,680.00	Private Sector
Manito-Kayabon Geothermal Project	Private Sector	7,680.00	Private Sector
Dauin Geothermal Project	Private Sector	7,680.00	Private Sector
Southern Leyte Geothermal Project	Private Sector	11,520.00	Private Sector
Aklan Hydropower Project	Private Sector	3,936.00	Private Sector
17.5 MW Negros Biomass Power Project Phase 2	Private Sector	1,680.00	Private Sector
18 MW Samar Biomass Power Project	Private Sector	1,728.00	Private Sector
SUBTOTAL PROPOSED		97,637.90	

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SUBSECTOR: TRANSMISSION			
ONGOING			
Luzon S/S Expansion 1 (Central Philippines Component)	National Grid Corporation of the Philippines (NGCP)	11.16	Private Sector
Negros V Transmission Project	National Grid Corporation of the Philippines (NGCP)	7.92	Private Sector
Wright-Calbayog 138 kV T/L Project	National Grid Corporation of the Philippines (NGCP)	355.94	Private Sector
Visayas Capacitor Project I	National Grid Corporation of the Philippines (NGCP)	4.75	Private Sector
Negros-Panay Interconnection Uprating Project	National Grid Corporation of the Philippines (NGCP)	235.25	Private Sector
Northern Panay Backbone Transmission Project	National Grid Corporation of the Philippines (NGCP)	1,940.12	Private Sector
New Naga S/S Project	National Grid Corporation of the Philippines (NGCP)	711.29	Private Sector
Southern Panay Backbone Transmission Project	National Grid Corporation of the Philippines (NGCP)	1,776.95	Private Sector
Bohol Backbone Transmission Project	National Grid Corporation of the Philippines (NGCP)	1,640.38	Private Sector
Sta. Rita - Quinapundan 69 kV T/L Project (Formerly Sta. Rita - Mc Arthur)	National Grid Corporation of the Philippines (NGCP)	287.24	Private Sector
PCB Replacement Program (Visayas Component)	National Grid Corporation of the Philippines (NGCP)	68.04	Private Sector
SUBTOTAL ONGOING		7,039.04	

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PROPOSED			
Eastern Panay Backbone Transmission Project	National Grid Corporation of the Philippines (NGCP)	2,744.87	Private Sector
Eastern Albay 69 kV Line Project	National Grid Corporation of the Philippines (NGCP)	260.54	Private Sector
SUBTOTAL PROPOSED		3,005.41	
SUBTOTAL ALL ONGOING		69,211.13	
SUBTOTAL ALL PROPOSED		100,643.31	
SUBTOTAL CENTRAL PHILIPPINES SUPER REGION		169,854.44	

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MINDANAO SUPER REGION			
SUBSECTOR: ELECTRIFICATION/ DISTRIBUTION			
ONGOING			
Consolidated Barangay Electrification Program (Mindanao Component)			
Alliance for Mindanao and Multi-Regional Off-grid Renewable Energy (AMORE) Expanded Rural Electrification Program (Mindanao Component)	Winrock-AMORE	1.58	Winrock (Private)
Remote Area Electrification Subsidy Program (Mindanao Component)	Department of Energy (DOE)	169.38	GAA/ Winrock (Private)
SUBTOTAL ONGOING		170.96	
PROPOSED			
SUBTOTAL PROPOSED		0.00	
SUBSECTOR: POWER GENERATION			
ONGOING			
42.5 MW Sibulan Hydroelectric Power	Private Sector	408.00	Private Sector
Cabulig Mini-Hydro Power Plant	Private Sector	768.00	Private Sector
SUBTOTAL ONGOING		1,176.00	
PROPOSED			
Power Generation for Mindanao			
150MW Power Generation for Mindanao - Peaking	Private Sector	14,400.00	Private Sector
50MW Power Generation for Mindanao - Baseload	Private Sector	19,200.00	Private Sector
100 MW Expansion of Mindanao Coal	Private Sector	6,720.00	Private Sector
200MW Coal-Fired Power Plant in Southern Mindanao	Private Sector	19,200.00	Private Sector
Tamugan Hydropower Project	Private Sector	2,640.00	Private Sector
Tagoloan Hydropower Plant	Private Sector	6,528.00	Private Sector
5 MW Camiguin Island Wind Power	Private Sector	576.00	Private Sector
50 MW Mindanao 3 Geothermal Project	Private Sector	9,600.00	Private Sector
17.5 MW Cagayan de Oro Biomass Power Project	Private Sector	1,680.00	Private Sector
17.5 MW Davao Biomass Power Project	Private Sector	1,680.00	Private Sector
SUBTOTAL PROPOSED		82,224.00	
SUBSECTOR: TRANSMISSION			
ONGOING			
Mindanao Substation Project 2005	National Grid Corporation of the Philippines (NGCP)	12.60	Private Sector
General Santos-Tacurong Transmission Project	National Grid Corporation of the Philippines (NGCP)	752.68	Private Sector
Zamboanga City Area 138 kV T/L Project	National Grid Corporation of the Philippines (NGCP)	186.94	Private Sector
Mindanao S/S Expansion Project	National Grid Corporation of the Philippines (NGCP)	48.00	Private Sector

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Abaga-Kirahon 230kV T/L Project	National Grid Corporation of the Philippines (NGCP)	1,704.71	Private Sector
Maramag-Bunawan 230kV T/L	National Grid Corporation of the Philippines (NGCP)	2,642.84	Private Sector
PCB Replacement Program (Mindanao Component)	National Grid Corporation of the Philippines (NGCP)	6,655.41	Private Sector
SUBTOTAL ONGOING		12,003.18	
PROPOSED			
Mindanao Reliability Compliance Project 1	National Grid Corporation of the Philippines (NGCP)	127.93	Private Sector
Kirahon-Pulangi (Maramag) 230kV T/L Project	National Grid Corporation of the Philippines (NGCP)	392.86	Private Sector
Aurora-Polanco 138 kV T/L	National Grid Corporation of the Philippines (NGCP)	887.54	Private Sector
SUBTOTAL PROPOSED		1,408.33	
SUBSECTOR: SUPPORTING INFRASTRUCTURE			
ONGOING			
SUBTOTAL ONGOING		0.00	
PROPOSED			
Ethanol Project: Basic Energy Corporation	Private Sector	2,700.00	Private Sector
South Bukidnon Bio-Energy Inc- Ethanol Project	Private Sector	1,350.00	Private Sector
SUBTOTAL PROPOSED		4,050.00	
SUBTOTAL ALL ONGOING		13,350.14	
SUBTOTAL ALL PROPOSED		87,682.33	
SUBTOTAL MINDANAO SUPER REGION		101,032.47	
GRAND TOTAL		957,313.92	

¹ Majority of Private Sector funded projects are pure private financing for a public infrastructure. The Government's role is to simply ensure that it complies to applicable laws and acceptable standards being a public infrastructure. It is a solicited Private Sector project but without any form of Government guarantee, a pure private business venture.