



PUBLIC-PRIVATE PARTNERSHIP CENTER OF THE PHILIPPINES

FORUM ON

# RENEWABLE ENERGY

AND

# WASTE-TO-ENERGY

**PUBLIC-PRIVATE PARTNERSHIPS  
(PPPs)**

August 30, 2019 | New World Makati Hotel  
Makati City, Philippines



## BACKGROUND AND RATIONALE

With the Philippines' rapid population growth, economic development and industrialization in urban areas, the demand for energy is exponentially increasing, and waste generation is continuing to rise to unmanageable levels. Sourcing sustainable and reasonably priced energy and implementing proper solid waste management are key to addressing these challenges.

Local government units (LGUs), special economic zones (SEZs), and government-owned and controlled corporations (GOCCs) may utilize public-private partnership (PPP) as one of the tools to develop innovative solutions in implementing and/or integrating renewable energy and waste-to-energy in infrastructure and development projects.

## OBJECTIVES

1. To provide a clear understanding of the Philippine government's policies, guidelines and initiatives on renewable energy and waste-to-energy PPPs
2. To enable participants to understand how renewable energy and waste-to-energy projects can be implemented through PPPs, particularly through Joint Venture (JV) agreements
3. To provide an avenue for government agencies and investors to discuss a comprehensive approach and specific strategies on how the PPP Center can support LGUs, SEZs and GOCCs in resolving energy and solid waste management challenges

# FORUM

## RENEWABLE ENERGY AND WASTE-TO-ENERGY PPPS

TIME	ACTIVITY
8:00AM - 9:00AM	Welcome Coffee and Registration
9:00AM - 9:05AM	Introduction <b>JOHN DOMINIC Z. ZAFE</b> Program Moderator
9:05AM - 9:15AM	WELCOME REMARKS <b>ERNESTO M. PERNIA</b> Secretary National Economic and Development Authority
9:15AM - 9:25AM	SPECIAL REMARKS <b>AHMED M. SAEED</b> Vice President, Southeast Asia and the Pacific Asian Development Bank
9:25AM - 9:40AM	FORUM OBJECTIVES: THE PPP STRUCTURE AND TRANSFORMATIVE SHIFT TO SUSTAINABLE ENERGY <b>FERDINAND A. PECSON</b> Undersecretary and Executive Director Public-Private Partnership Center of the Philippines

## TIME

## ACTIVITY

---

9:40AM - 10:00AM

KEYNOTE MESSAGE:  
ADVANCING THE INTEREST OF CONSUMERS  
THROUGH RENEWABLE ENERGY

### HONORABLE SHERWIN T. GATCHALIAN

Senator and Chairman of Senate Energy Committee  
Senate of the Philippines

---

10:00AM - 10:10AM

Photo Opportunity

---

10:10AM - 10:35AM

THE ROLE OF PPPS IN BUILDING A RESILIENT  
AND SUSTAINABLE ENERGY FUTURE

### JOSE M. LAYUG JR.

President  
Developers of Renewable Energy for AdvanceMent, Inc.  
Senior Partner  
Puno & Puno Law

---

10:35AM - 11:00AM

INTEGRATING RENEWABLE ENERGY  
IN PPP INFRASTRUCTURE PROJECTS:  
SOLAR, WIND, HYDRO AND ENERGY STORAGE

### MANUEL OMEDAS ALDANONDO

Senior Technical Expert in Water and Renewable Energy  
ADB Consultant to PPP Center

---

11:00AM - 12:00NN

COLLABORATION OF PUBLIC AND PRIVATE  
SECTOR IN RENEWABLE ENERGY PROJECTS:  
A PANEL DISCUSSION

#### Presentation by:

### DANIELA SCHMIDT

Energy Specialist, Southeast Asia Department  
Asia Development Bank

#### Panelists:

### MANUEL OMEDAS ALDANONDO

Senior Technical Expert in Water and Renewable Energy  
ADB Consultant to PPP Center

---

## TIME

## ACTIVITY

---

11:10AM - 12:00NN

### **MONALISA DIMALANTA**

Chairperson  
National Renewable Energy Board

### **RUBY DE GUZMAN**

Division Chief, BEMD-REMB  
Department of Energy

### **JUSTIN OCAMPO**

Managing Director  
Macquarie Capital

#### **Moderator:**

### **JOSE M. LAYUG JR.**

President  
Developers of Renewable Energy for AdvanceMent, Inc.  
(DREAM)  
Senior Partner  
Puno & Puno Law

---

12:00NN - 1:00PM

Lunch Break

---

1:00PM - 1:20PM

PPP CENTER'S ASSISTANCE IN STRUCTURING  
PPP PROJECTS IN RENEWABLE ENERGY  
AND WASTE-TO-ENERGY

### **MIA MARY G. SEBASTIAN**

Assistant Secretary and Deputy Executive Director  
Public-Private Partnership Center of the Philippines

---

1:20PM - 1:40PM

PPP WASTE-TO-ENERGY CASE STUDY:  
SINGAPORE PROJECT

### **LYNN THO**

Partner, Infrastructure Advisory- ASEAN Infrastructure  
Advisory Leader  
Ernst and Young Solutions LLP

---

## TIME

## ACTIVITY

---

### PPP WASTE-TO-ENERGY: A PANEL DISCUSSION

#### **Panelists:**

#### **TAKAHIRO KAMISHITA**

Chief Advisor, Expert of Solid Waste Management - Waste to Energy

Japan International Cooperation Agency

#### **NEIL G. RAVENA**

Chief – Solid Waste Management

Local Government of Iloilo City

#### **JOHN B. ECHAUZ**

Business Development Consultant

Metro Pacific Investments Corporation

#### **JUSTINE E. PADIERNOS**

Officer-in-Charge-Director III, Project Development Service  
Public-Private Partnership Center of the Philippines

#### **LYNN THO**

Partner, Infrastructure Advisory- ASEAN Infrastructure  
Advisory Leader

Ernst and Young Solutions LLP

#### **Moderator:**

#### **ELEAZAR E. RICOTE**

Assistant Secretary and Deputy Executive Director

Public-Private Partnership Center of the Philippines

---

### FINANCING RENEWABLE ENERGY AND WASTE-TO-ENERGY PPP PROJECTS IN THE PHILIPPINES: A PANEL DISCUSSION

#### **Panelists:**

#### **ERWINA GRACE P. MORALES**

Chief, Local Debt Monitoring and Evaluation Division

Bureau of Local Government Finance

#### **PAUL LAZARO**

Senior Vice President – Lending Program and Management  
Group

Development Bank of the Philippines

---

1:40PM - 2:40PM

2:40PM - 3:40PM

## TIME

## ACTIVITY

---

2:40PM - 3:40PM	<b>STEVE PETERS</b> Senior Energy Specialist, Sustainable Development and Climate Change Department Asia Development Bank
	<b>EDUARDO V. FRANCISCO</b> President BDO Capital
	<b>MARK RATHBONE</b> Regional Leader on Capital Projects and Infrastructure PwC
	<b>Moderator:</b>
	<b>RODERICO V. PUNO</b> Managing Partner Puno & Puno Law

---

3:40PM - 3:50PM	MESSAGE FROM DEPARTMENT OF ENERGY
	<b>MYLENE C. CAPONGCOL</b> Director, Renewable Energy Management Bureau Department of Energy

---

3:50PM - 4:00PM	CALL FOR ACTION: PPP CENTER'S MANDATE AND LONG TERM GOALS
	<b>ELEAZAR E. RICOTE</b> Assistant Secretary and Deputy Executive Director Public-Private Partnership Center of the Philippines

---

4:00PM - 6:00PM	Networking Opportunity
-----------------	------------------------

---

**JOHN DOMINIC Z. ZAFE**  
Program Moderator

## WELCOME REMARKS



### ERNESTO M. PERNIA

**Secretary**

National Economic and Development Authority

Dr. Ernesto M. Pernia is the Secretary of Socioeconomic Planning, National Economic and Development Authority, Philippines. He is also Professor Emeritus of Economics, University of the Philippines.

Dr. Pernia was Lead Economist at the Asian Development Bank. His work experience covered investment climate and productivity, economic growth and poverty reduction, education and health, population and development, and regional economic cooperation in Asia. He was also Regional Adviser on population and employment policy for Asia and the Pacific with the International Labour Organization.

He obtained his PhD degree from the University of California Berkeley on a Ford Foundation scholarship. He received the first award as Outstanding Young Scientist (economics and social sciences) from the National Academy of Science and Technology. He was chosen by the Philippine-American Academy of Science and Engineering (PAASE) for the 2015 Science Lectureship Award. He has been inducted to the PAASE Hall of Honor as of April 2018.



## SPECIAL REMARKS



### AHMED M. SAEED

**Vice President, Southeast Asia and the Pacific**  
Asian Development Bank (ADB)

Ahmed M. Saeed is the Vice-President (Operations 2) of the Asian Development Bank (ADB). He was appointed by ADB on 26 February 2019.

Mr. Saeed was formerly the Managing Director and Head of Public Sector for Middle East, North Africa, and Pakistan at JP Morgan Chase in Dubai, UAE. He previously worked in the US Department of the Treasury as Deputy Assistant Secretary for the Middle East and Africa and as White House Fellow and Advisor to the Secretary of the Treasury. He has experience working with many governments, central banks, finance ministries, and sovereign wealth funds on a broad range of economic and financial issues.

Mr. Saeed holds a Doctor of Jurisprudence from the University of Chicago Law School and a Master of Business Administration in Finance from the University of Chicago Graduate School of Business. He is a member of the Council on Foreign Relations.

## FORUM OBJECTIVES



### **FERDINAND A. PECSON**

#### **Undersecretary and Executive Director**

Public-Private Partnership Center of the Philippines

Dr. Ferdinand A. Pecson is the Executive Director of the Public-Private Partnership Center of the Philippines. Before joining the PPP Center, he worked at FLSmidth A/S as Performance Director and Executive Team Member leading the O&M business in Africa and Middle East. He also had worked at Holcim Philippines, Deere & Co., PricewaterhouseCoopers, Bacnotan Consolidated Industries, Solid Cement Corporation, PHINMA Inc. and the University of the Philippines.

Dr. Pecson has a PhD in Energy Engineering from the University of the Philippines under a joint program with the University of Wisconsin, an MBA from the Kellogg School of Management of Northwestern University and a Bachelor of Science in Mechanical Engineering from the University of the Philippines.

## KEYNOTE MESSAGE



### **HONORABLE SHERWIN T. GATCHALIAN**

**Senator and Chairman of Senate Energy Committee**

Senate of the Philippines

Senator Win Gatchalian is no neophyte to public service with his fifteen years of experience marked by integrity and a relentless drive to serve his countrymen.

A former award-winning mayor and congressman of Valenzuela City, he made the move from the local political arena to the national stage after winning a seat in the Senate during the May 2016 elections.

As Chairman of the Senate Committees on Energy, and Economic Affairs, respectively, his approach to running both committees has been united by a common theme—empowering consumers. The good senator has steered both committees in a pro-consumer direction, focusing on measures which will foster greater competition within critical industries, boost efficiency of services, and lower the costs shouldered by the general public.

# THE ROLE OF PPPS IN BUILDING A RESILIENT AND SUSTAINABLE ENERGY FUTURE



## **JOSE M. LAYUG, JR.**

**President**

Developers of Renewable Energy for AdvanceMent, Inc. (DREAM)

**Senior Partner**

Puno & Puno Law

Atty. Jose M. Layug, Jr. or “Jay” is currently a Senior Partner at Puno & Puno Law Office. He recently served as Chairman of the National Renewable Energy Board from 2016-2018. Jay was the Undersecretary of the Philippine Department of Energy (DOE) from 2010-2012 and headed the Renewable Energy Management Bureau, Energy Resources Development Bureau, Energy Utilization Management Bureau, Oil Industry Management Bureau and Legal Services.

He was primarily responsible for the revival of various sectors in the Philippine energy sector with the successful launching of the National Renewable Energy Program, the Philippine Energy Contracting Rounds for Petroleum and Coal and the Public Transport Assistance Program of Pantawid Pasada.

# INTEGRATING RENEWABLE ENERGY IN PPP INFRASTRUCTURE PROJECTS: SOLAR, WIND, HYDRO AND ENERGY STORAGE



## MANUEL OMEDAS ALDANONDO

**Senior Technical Expert in Water and Renewable Energy**

ADB Consultant to PPP Center

Manuel obtained his MSc Civil Engineer with concentration in renewable energies from the Universidad Alfonso X el Sabio in Madrid, Spain and BsC in Political Sciences and International Relations from The London School of Economics and Political Science. He has 10 years of experience working in Spain, Mexico, Peru and the Philippines developing, implementing and advising on projects in flood control, water supply and sanitation, irrigation, solid waste management, transportation and renewable energies (solar, wind, hydro and energy storage).

He is the founder and President of Proyectos Hidráulicos y Energéticos, an engineering consulting firm specializing in the development and design of solar, wind and hydro projects in Spain. He is currently a consultant at the Asian Development Bank (ADB) advising the Public-Private Partnership Center of the Philippines as Senior Urban Resiliency Infrastructure Development Engineer.

## PANEL DISCUSSION

# COLLABORATION OF PUBLIC AND PRIVATE SECTOR IN RENEWABLE ENERGY PROJECTS



### PRESENTER: **DANIELA SCHMIDT**

**Energy Specialist, Southeast Asia Department**  
Asian Development Bank

Daniela Schmidt has been supporting governments, power utilities, and businesses in emerging and developing economies in designing, and implementing sustainable energy solutions for 15 years. Mrs. Schmidt's experience includes working as business developer with various (renewable) energy organizations in Asia in identifying, designing, and implementing scale-able energy business models.

She worked with the International Renewable Energy Agency to connect islands with the resources required to achieve their renewable energy targets and provided guidance to TrustWorth-E, a green finance data start-up, in building an efficient analytics model.

## PANEL DISCUSSION

# COLLABORATION OF PUBLIC AND PRIVATE SECTOR IN RENEWABLE ENERGY PROJECTS



**MODERATOR:**  
**JOSE M. LAYUG, JR.**

**President**

Developers of Renewable Energy for AdvanceMent, Inc. (DREAM)

**Senior Partner**

Puno & Puno Law

## PANELISTS

# COLLABORATION OF PUBLIC AND PRIVATE SECTOR IN RENEWABLE ENERGY PROJECTS



### **MANUEL OMEDAS ALDANONDO**

**Senior Technical Expert in Water and  
Renewable Energy**

ADB Consultant to PPP Center



### **MONALISA DIMALANTA**

**Chairman**

National Renewable Energy Board

Monalisa Dimalanta is presently the Chair of the Philippine National Renewable Energy Board (NREB) since her appointment by the President on 28 March 2019. She is also a partner in PJS Law and, until her assumption of office as NREB Chair, led the Energy Group of the Firm. She now supports the M&A team in the Firm, trains junior lawyers in practice and leads the Firm's programs on innovation in legal services.



## PANELISTS

# COLLABORATION OF PUBLIC AND PRIVATE SECTOR IN RENEWABLE ENERGY PROJECTS



### **RUBY DE GUZMAN**

**Division Chief, BEMD-REMB**

Department of Energy

Ruby de Guzman graduated from University of Santo Tomas with a degree in Chemical Engineering and completed her Master in Public Management at the Development Academy of the Philippines.

She is a current member of the Working Group under the Economic Research Institute for East Asia (ERIA)-ASEAN project on "Study of Renewable Energy Potential and its Effective Usage in EAS Countries" and has participated as resource speaker/panellist in various international and local workshops, conferences, fora and trainings on biofuels and bioenergy.



### **JOHN B. ECHAUX**

**Business Development Consultant**

Metro Pacific Investments Corporation

John B Echaux is a business development executive of Metro Pacific Investments Corp. His team is responsible for the company's waste-to-energy and waste management initiatives. Since joining the company in 2006, he has been involved in a number of its water distribution, bulk water, toll road, hospital, port and agriculture projects. He has also worked with almost all of the First Pacific group's companies.

He has a BS in Industrial Engineering minor in Chemical Engineering from De La Salle University and an MBA from Columbia University in New York. In 2013, he was named one of 200 Young Global Leaders by the World Economic Forum.

# PPP CENTER'S ASSISTANCE IN STRUCTURING PPP PROJECTS IN RENEWABLE ENERGY AND WASTE-TO-ENERGY



## MIA MARY G. SEBASTIAN

**Assistant Secretary and Deputy Executive Director**  
Public-Private Partnership Center of the Philippines

Mia Sebastian is a Deputy Executive Director of the Public-Private Partnership (PPP) Center of the Philippines. She leads the development of PPP projects and management of a revolving fund for hiring of consultants. Prior to her current role, she worked in finance and law in London and Manila. Mia holds an MBA degree from London Business School and degrees in Law and Business Economics from the University of the Philippines.

# PPP WASTE-TO-ENERGY CASE STUDY: SINGAPORE PROJECT



## LYNN THO

**Partner, Infrastructure Advisory- ASEAN Infrastructure  
Advisory Leader**

Ernst and Young Solutions LLP

Lynn leads EY's Infrastructure and PPP Advisory practice in ASEAN. She has over 20 years of experience of advising private and public sector clients to develop, structure and finance infrastructure / PPP projects in Asia Pacific and Europe across a range of sectors including power, water, transport, health and education. Prior to EY, Lynn was at HSBC, Deutsche Bank and Morgan Grenfell. Lynn also spent some time in government as a PPP Policy Specialist.

## PANEL DISCUSSION

### PPP WASTE-TO-ENERGY



### MODERATOR: ELEAZAR E. RICOTE

**Assistant Secretary and Deputy Executive Director**  
Public-Private Partnership Center of the Philippines

Eleazar E. Ricote is a Deputy Executive Director (Assistant Secretary Level) at the Public-Private Partnership Center (PPPC) under the National Economic and Development Authority (NEDA).

He is a Career officer with more than fifteen years of technical and managerial experience in infrastructure development undertakings (BOTs, PPPs, etc.) in all of its aspects – a) Project Development and Structuring, b) Capacity Building and Institutional Development, c) Policy Evaluation and Formulation, d) Monitoring and Evaluation, and e) Knowledge Management and Public Communications.

Eli has a BA in Political Science and an MPA from the University of the Philippines. He also took executive courses on infrastructure financing and PPPs from Harvard Kennedy Executive Education and Lee Kuan Yew School of Public Policy. He was an Outstanding Alumni Awardee of the University of the Philippines' National College of Public Administration and Governance (UP-NCPAG) in 2014 and was named ASEAN Leader in 2016 under the ASEAN Leaders Programme.

# PANELISTS

## PPP WASTE-TO-ENERGY



### **TAKAHIRO KAMISHITA**

**Chief Advisor, Expert of Solid Waste Management - Waste to Energy**

Japan International Cooperation Agency

Takahiro Kamishita has been working as an international solid waste management expert for 18 years. He was engaged in various projects in 19 different countries including those in South East Asia such as the Philippines, Indonesia, and Thailand. His expertise covers planning of all stages of solid waste management from waste generation, measures of 3R (reuse, reduction and recycling), collection and transportation, treatment including Waste-to-Energy (WTE) technology, until final disposal. He worked for design and preparation of tender for a sanitary landfill in the Municipality of Malay, Aklan (2009-2010), Philippines. Currently, he acts as Team Leader of the international expert team for the capacity development project dealing with technical standard, guidelines and manuals for WTE. The project is implemented by EMB-DENR and JICA together with other related agencies such as NSWMC and LGUs (Quezon City, Davao City, Cebu City).



### **NEIL G. RAVENA**

**General Service Office**

Local Government of Iloilo City

Neil G. Ravena is currently the chief of Solid Waste Management and sanitary landfill manager for the local government of Iloilo City. He is a registered electrical engineer with a masters degree in Public Management graduated from Ateneo School of Government, Ateneo de Manila University.

He obtained his training in Solid Waste Management and Sanitary Landfill Operation in Germany as sponsored by GIZ.

# PANELISTS

## PPP WASTE-TO-ENERGY



**JUSTIN OCAMPO**  
**Managing Director**  
Macquarie Capital

Justin Ocampo is Managing Director and Head of Macquarie Capital in the Philippines. As head, Justin actively pursues the promotion and development of infrastructure and energy projects in the Philippines. Macquarie Capital is one of the leading financial advisors in the Philippines and has been involved in various PPP and M&A transactions in the country. It is part of the Macquarie Group, a global diversified financial group that is listed in Australia.

The Macquarie Group has 20 GW of renewable energy projects in operation and under management in 18 countries.

---



**JUSTINE E. PADIERNOS**  
**Officer-in-Charge-Director III**  
**Project Development Service**  
Public-Private Partnership Center  
of the Philippines

Justine Padiernos is a certified PPP Specialist and seasoned professional with twelve (12) years of experience in government service. She has hands-on involvement in project management, development, structuring, and tender of big-ticket infrastructure PPPs in the following sectors: energy, transportation, water, and waste-to-energy. She took her Bachelor degree and Masters in Economics at the University of the Philippines, Diliman.

---



**LYNN THO**  
**Partner, Infrastructure Advisory- ASEAN**  
**Infrastructure Advisory Leader**  
Ernst and Young Solutions LLP

## PANEL DISCUSSION

# FINANCING RENEWABLE ENERGY AND WASTE-TO-ENERGY PPP PROJECTS IN THE PHILIPPINES



### MODERATOR: **RODERICO V. PUNO**

**Managing Partner**  
Puno & Puno Law

Atty. Roderico Puno specializes in energy law, corporation law, banking, corporate and project finance, real estate, utilities regulation, privatization, securities, and infrastructure project development. He is the leading authority on Philippine energy law practice as recognized by all significant award giving bodies and publications, having been in the Technical Working Group of the Committee on Energy of the Philippine Congress representing the private sector that drafted the Electric Power Industry Reform Act of 2001.

Atty. Puno has also been engaged as a public-private partnership (PPP) key legal expert of the Philippine Public-Private Partnership Center and the Department of Public Works and Highways in connection with the bidding for the development and operation of an expressway-dike project. Mr. Puno is currently a member of the Board of Trustees of the Knowledge Channel and the corporate secretary of Atlas Consolidated and Mining and Development Corporation.

## PANELISTS

# FINANCING RENEWABLE ENERGY AND WASTE-TO-ENERGY PPP PROJECTS IN THE PHILIPPINES



### **ERWINA GRACE P. MORALES**

**Chief, Local Debt Monitoring and  
Evaluation Division**

Bureau of Local Government Finance

Erwina Grace P. Morales is currently the Chief of the Local Debt Monitoring and Evaluation Division of the Bureau of Local Government Finance- Department of Finance.

She obtained her Masters Degree in Public Administration with focus on managing government finances from the Australian National University, Canberra Australia.

Her division handles the processing and issuance of the certificate of net debt service ceiling and borrowing capacity of LGUs applying for a loan. She has been a resource person on, and promoter of responsible, LGU credit financing.



### **PAUL LAZARO**

**Senior Vice President – Lending Program  
and Management Group**

Development Bank of the Philippines

SVP Paul D. Lazaro has been with the Development Bank of the Philippines since 1991. He started out as an Assistant Manager responsible for the conduct of eight (8) sub-sectoral studies in the manufacturing sector under DBP's WB funded Industrial Restructuring Program. He then moved to program monitoring and development. He was responsible for the crafting of some of the Bank's development programs in the Infrastructure, Logistics & Tourism, Environment & Climate Change, Energy, Water and Sanitation and for the SME sector. He was likewise assigned briefly to the Bank's Office of the President and oversaw the evaluation of the Bank's development programs.



## PANELISTS

# FINANCING RENEWABLE ENERGY AND WASTE-TO-ENERGY PPP PROJECTS IN THE PHILIPPINES



### STEVE PETERS

**Senior Energy Specialist, Sustainable Development and Climate Change Department**  
Asian Development Bank

In his first year with ADB, Steve has supported approved funding to US\$ 150Mn, with a pipeline of over US\$ 1 Bn. Steve also chaired flagship events, produced knowledge products and developed media profile on the circular economy.

As CEO, Steve developed W2E biogas business as Engineer/Founder - built and converted sales pipeline, attracted project investment and managed the development company through Global Financial Crisis. Refocused W2E on agricultural waste processing.

Set up consulting services company in biomass, biogas, landfill mining and other renewable energy sources with distribution throughout ASEAN and Australia. Successfully sold or transferred these businesses.



### EDUARDO V. FRANCISCO

**President**  
BDO Capital

Mr. Francisco heads the investment banking group of BDO Unibank, Inc. and holds several positions in BDO - he is President of BDO Capital & Investment Corporation, Chairman of BDO Nomura Securities, and Chairman of Averon Holdings Corp.

He is also the Chairman for the International Association of Financial Executives Institutes (IAFEI) and sits on several boards such as the Development Center for Finance, CIBI Foundation, Shareholders Association of the Philippines, FINEX Research & Foundation, International School of Manila, UP College of Business Alumni Association, Makati Sports Club, Inc. and Valle Verde Country Club, Inc. He is also a member of Makati Business Club (MBC), and the POLO Triathlon Team.

## PANELISTS

# FINANCING RENEWABLE ENERGY AND WASTE-TO-ENERGY PPP PROJECTS IN THE PHILIPPINES



### **MARK RATHBONE**

**Regional Leader on Capital Projects**

PwC

Mark qualified as a Chartered Accountant in the United Kingdom, and worked in the assurance, transaction services and litigation support practices in the UK prior to joining the CP&I business in London 1999. He relocated to lead the CPI business in Singapore and ASEAN in 2004.

Mark has led numerous large scale infrastructure transactions during his career, and has advised numerous governments on their broader infrastructure programs over the course of time.

Mark has extensive experience in structuring projects that straddle the complex interface between public and private partnerships. He has been integral to the development of many project structures, risk allocation and mitigation strategies and the related funding solutions in various infrastructure sectors in Europe, Africa and Asia (health, transport, leisure, defence, IT, water and waste water).

## MESSAGE FROM DEPARTMENT OF ENERGY



### **MYLENE C. CAPONGCOL**

**Director, Renewable Energy Management Bureau**  
Department of Energy

With more than 30 years of experience in the electric power industry covering planning and design, advisory services, policy development and project management involving international donor and locally-funded projects.

Currently, appointed as the Officer-in-Charge of the Renewable Energy Management Bureau (REMB) of the Department of Energy (DOE).

As OIC-Director of REMB, Ms. Capongcol assists the DOE Management in development and execution of plans and programs to attain the objectives of increasing the development and utilization of renewable energy and biofuels as espoused under Republic Act No. 9513 (Renewable Energy Act of 2008) and Republic Act No. 9367 or the Biofuels Act of 2006.

## THE PPP CENTER

By virtue of Executive Order No. 8, series of 2010, as amended by Executive Order No. 136, series of 2013, the Public-Private Partnership (PPP) Center is mandated to facilitate the implementation of the country's PPP Program and projects. The PPP Center is the main driver of the PPP Program. It serves as the central coordinating and monitoring agency for all PPP projects in the Philippines. It champions the country's PPP Program by enabling implementing agencies (IAs) in all aspects of project preparation, providing project advisory and facilitation services, monitoring implementation of awarded projects, and empowering agencies through various capacity building activities.

The PPP Center provides technical assistance to national government agencies (NGAs), government-owned and -controlled corporations (GOCCs), government financial institutions (GFIs), state universities and colleges (SUCs), and local government units (LGUs) in the entire life cycle of critical PPP infrastructure and development projects, ensuring that the projects are bankable, well-structured, and highly beneficial to the public.

The PPP Center manages a revolving fund known as the Project Development and Monitoring Facility (PDMF) that gives IAs access to a panel of consulting firms tasked to provide transaction advisory support and multi-disciplinary expertise required to successfully tender PPP projects. The PPP Center also advocates policy reforms to improve the legal and regulatory frameworks governing PPPs in order to maximize the potential of these infrastructure and development projects in the country.

“

The government envisions to implement infrastructure projects to generate significant employment opportunities and boost economic activities to attain inclusive growth.

”



## THE PPP PROGRAM

The 1987 Constitution explicitly acknowledges the critical role that the private sector plays in the development agenda of the country. The Duterte Administration aims to address the infrastructure requirements of the Philippines through accelerating the country's annual infrastructure spending to account for 7% of the Gross Domestic Product (GDP), with public-private partnerships playing a key role.

The government envisions the implementation of infrastructure projects to generate significant employment opportunities, boost economic activities, and attain inclusive growth.

Guided by the principles of transparency, accountability, and good governance, the PPP Program engages the private sector as vital partners who can bankroll critical infrastructure projects that will deliver much needed services for its growing populace.

Under the hallmark of good governance, the Philippine government guarantees that the private sector will be able to do business in an environment that nurtures fair and transparent transactions. The government ensures that the interests of both the private sector and its citizens are balanced, where policies and procedures are continually enhanced.

The robust pipeline of PPP projects is a product of the government's continuing efforts to deliver viable and well-structured infrastructure projects that will attract investors to bring their business to the Philippines.

## WHAT IS THE PPP CENTER'S LOCAL PPP STRATEGY?

The implementation of local PPP projects has been identified as one of the priorities of the Duterte Administration, supplementing the priority to decentralize Metro Manila through increased employment and infrastructure facilities in the different regions. In line with this, the PPP Center is strengthening the support it provides to local implementing agencies (IAs) through its Local PPP Strategy.

The PPP Center's Local PPP Strategy is a specialized assistance program for local IAs to develop policy reforms for an enhanced PPP enabling environment, to improve skills through capacity building, and to assist in the project development and management of projects under the Amended Build-Operate-Transfer (BOT) Law and Joint Venture (JV) arrangements.



**Pilot local IAs in priority sectors**

**Short Term**



**Enhanced capacity building modules**



**Replicate pilot local IAs to other clients**

**Medium Term**



**Acquire expertise and initiate development**

**Long Term**

## WHAT ARE THE SERVICES OFFERED BY THE PPP CENTER?

As the premier agency tasked to provide technical and advisory support to Implementing Agencies undertaking all PPP projects in the Philippines, the Center, through its various Services, have dedicated teams that provide assistance in all stages of the project cycle.

- Provision of PPP trainings and other capacity building activities
- Project development assistance and advisory, including review of project studies and unsolicited proposals
- Assistance in developing PPP ordinances
- Assistance in market sounding and market activities
- Assistance in project approvals and project evaluation
- Assistance during the bid process, including review of bid documents and Concession Agreements
- Technical advisory on project implementation and contract management

## PROJECT DEVELOPMENT AND MONITORING FACILITY (PDMF)

The PDMF is a USD 102 million revolving fund managed by the PPP Center to enhance the investment environment for PPP and to develop a robust pipeline of viable and well-prepared PPP infrastructure projects. It is funded by the Philippine Government and the Australian Government through the Asian Development Bank (ADB).

Implementing agencies, such as national government agencies, government-owned and controlled corporations, and local government units, can access a panel of PPP experts, which will provide assistance in developing and implementing their PPP projects, from the feasibility study stage to approval, procurement, and implementation stages.

In 2018, the PPP Center started exploring potential partnerships with new funding sources to ensure the sustainability of the PDMF fund. In December 2018, the Urban Climate Change Resilience Trust Fund (UCCRTF) approved a top up funding of USD 3 million under the ADB Technical Assistance No. 7796-PHI, which is comprised of USD 2.5 million for PDMF and USD 500,000 for capacity building. This new funding targets emerging sectors such as urban resilience, renewable energy, water supply and sanitation, solid waste management, open/green spaces, food security, flood control, disaster risk management and green infrastructure. The PDMF component under UCCRTF will also prioritize support to local implementing agencies.





PUBLIC-PRIVATE PARTNERSHIP CENTER OF THE PHILIPPINES

---

**Renewable Energy and Waste-to-Energy PPPs**

August 2019