



POWERTRENDS 2018

incorporating



ENERGY EXPO



ELECTECH

September 04-06, 2018 at SMX Convention Center, Manila, Philippines

Organized in cooperation with the Department of Energy

BUILDING A RESILIENT AND SUSTAINABLE ENERGY FUTURE: A TRANSFORMATIVE SHIFT TO CLEANER ENERGY

PRELIMINARY AGENDA

(as of August 13, 2018)

Day One: September 4, 2018

PART ONE: PLENARY AND OPENING

8:30 am Welcome Coffee and Registration

8:45 am Joint Introduction and Welcome – Moderators

9:00 am Opening Address

Honorable Alfonso G. Cusi
Secretary
Department of Energy

9:15 am Keynote Address

Honorable Sherwin T. Gatchalian
Senator and Chairman of Senate Energy Committee
Senate of the Philippines

9:30 am Opening Remarks

PART TWO: OPENING OF EXHIBIT

9:45 am Official Opening and Tour of Exhibits

PART THREE: CONFERENCE PROPER

Session 1 – Demystifying Trends in Energy Mix: Innovation, Evolution or Revolution?

10:30 – 10:35

Session Chair: **Mr. Vincent S. Perez, Jr.**
Chairman, Merritt Partners Ltd.
Former Secretary of Energy

This session presents disruptive technologies evolving at high speed that impact on the Philippine and global energy industries.

The disruptions that redefine the energy market could lead lawmakers and regulators to readjust their thinking on framing industry rules and policies.

For investors, the evolutionary changes could present more business opportunities in the context of the maturing future consumer markets.

Presentors:

10:35 – 10:55

Power Systems of the Future – Microgrids and Grid Connected Technologies

Mr. Rajendra Kumar Garg

Vice President & Regional Services Manager - Southeast Asia, Power Grids Division,
ABB

10:55 – 11:15

Energy storage

Ms. Rosa Milano

Senior Manager for GE Energy Storage Asia Pacific
GE

11:15 – 11:35

Electric vehicles: What lies ahead in the future of mobility?

Mr. Renato S. Lampano

Vice President for Corporate Public Relations and
Officer-in-Charge for MMPC EV-related Projects
Mitsubishi Motors Philippines Corporation

11:35 – 11:55

Digitalization and Data Analytics: Unravelling the new models of doing business

Mr. Christian Lim

Country COO
Microsoft Philippines

11:55 – 12:15

Blockchain Technology Application for the Energy Sector

Mr. Fernando Contreras, Jr.

President and CEO
Terravibe, Inc.

12:15 – 12:35

Energy in the Era of Innovation and Digitalization: Who Will Win the Future?

Ms. Myrna Velasco

Energy Journalist and Book Author

12:35 – 12:45

Q&A

Session 2 - Optimal Capacity Mix: Scenario Approach for the Philippines

2:00 – 2:30	How to Define Optimal Capacity Mix, Scenario Approach for the Philippines Mr. Ville Rimali Business Development Manager, South East Asia & Australia, Energy Solutions Wartsila
2:30 – 2:45	Q&A
2:45 – 3:00	Coffee Break

Session 3 – A Look At the Philippine Energy Market: Where Are We Now? Opportunities and Challenges

Session Chair: **Dr. Francisco L. Viray**
President & CEO, PHINMA Energy Corporation
Former Secretary of Energy

3:00 – 5:45 **ENERGY RESOURCE UTILIZATION IN THE PHILIPPINES: A CONSTRUCTIVE ANALYTICAL DISCUSSION ON RENEWABLE ENERGY, COAL, NATURAL GAS AND OTHER CONVENTIONAL FOSSIL FUELS**

Panel of Discussants:

Energy Resource Development Bureau, Department of Energy
Admiral Reuben Lista, Ret., President & CEO, Philippine National Oil Corporation
Mr. Rolando Paulino, Jr., Managing Director, Shell Philippines Exploration, B.V.
Mr. Guido Alfredo Delgado, Chairman, GAA Delgado Inc., Former NAPOCOR President
Mr. Cyril C. Del Callar, Managing Partner, Del Callar Law, Former NAPOCOR President and Energy Undersecretary
Mr. Joseph Nocos, Senior Vice President, Alsons Power Group
Mr. Chrysogonus F. Herrera, Senior Vice President for Commercial and Planning, MERALCO PowerGen
Mr. Jerome H. Cainglet, Vice President, First Gen Corporation
Mr. Arnulfo Robles, Executive Director, PHILCOAL

5:45 – 8:00 Networking Cocktail

Day Two: September 5, 2018

PART ONE: PLENARY AND OPENING

8:30 am Welcome Coffee and Registration

9:00 Introduction and Welcome

PART TWO: CONFERENCE PROPER

Session 4 – What Would It Take to Decarbonize the Philippine Energy Industry?

9:25 – 9:30 Session Chair: **Mr. Eduardo V. Mañalac**
President, TransEnergy International Ltd.
Former President, Philippine National Oil Company
Former Undersecretary, Department of Energy

THE RACE IN TECHNOLOGY INNOVATIONS

9:30 – 9:50 • **Smarter, Cleaner Coal**

Presenter: **Mr. Nigel Hales**
Business Development Director
GE

• **Renewable Energy Innovations**

9:50 – 10:10 Presentors:
Mr. Mamoru Kimura
Senior Researcher, High Voltage Systems Research Department
Center for Technology Innovation - Energy
Hitachi, Ltd.

10:10 – 10:30 **Effective Strategies to Reduce Energy Consumption in Green Buildings**
Arch. Romolo V. Nati
Executive Chairman and CEO
Italpinas Development Corporation

10:30 – 11:50 **Ms. Ma. Theresa C. Capellan**
CEO, Sun Asia Energy
President, Philippine Solar and Storage Energy Alliance

11:50 – 12:10 • Gas: The Future It Holds in the Changing Energy Mix

12:10 – 12:30 **THE OUTLOOK OF THE PHILIPPINE ELECTRICITY INDUSTRY**

Panel Discussion: How should the Philippine energy and electricity industry look like in the future?

The future of the electricity industry is changing while demands of consumers continue to keep up with rapidly developing disruptive technologies.

- Is government switched on for these changes? While considering national interests, global trends must not be disregarded.
- What's ahead in the policy regime of the power sector?

Panel of Discussants:

Department of Energy

**Atty. Floresinda B. Digal, Director, Regulatory Operations Service,
Energy Regulatory Commission**

**Mr. Clares Loren C. Jalocon, Assistant Manager for Corporate Operations and
Business Development, Philippine Electricity Market Corporation**

Mr. Mark Richmond De Leon, Assistant Secretary, Department of Transportation

Commodore George S. Chua, President, Federation of Philippine Industries

**Mr. Jose Luis U. Yulo, Jr., President, Chamber of Commerce of the Philippine Islands
MERALCO**

Mr. Paolo Boado, Of Counsel, DLA Piper LLP (US)

Mr. Michael J. Yoshii, Partner, Latham & Watkins, Tokyo

12:30 – 1:30 Lunch

Session 5 – Greening the Grid: Integrating RE and Increasing System Reliability

1:30 – 1:35 Session Chair: **Mr. J.V. Emmanuel De Dios**
CEO, GE Philippines
Managing Director, GE Government Affairs & Policy, Asia Pacific

1:35 – 1:55 Hybridisation of Larger Island Grids in the Philippines – ASEP’s Approach to a Sustainable Power Supply
Prof Dr.-Ing. Christoph Menke
European Union-Access to Sustainable Energy Programme (EU-ASEP) Strategic Adviser

**Panel Discussion: Ensuring The Proper Integration Of Renewable Energy In The
Philippine Energy Mix**

Panel of Discussants:

Department of Energy

National Renewable Energy Board

National Grid Corporation of the Philippines

Philippine Electricity Market Corporation

USAID

Mr. Michael Vemuri, GIZ, Chief Advisor Renewable Energy

Burns & McDonnell

Mr. Roderico V. Puno, Managing Partner, Puno Law

3:00 – 3:20 Coffee Break

Session 6 – Energy Development: A “Must” Support For Build Build Build Program of the Philippines

Session Chair: **Atty. Jose M. Layug**
Puno & Puno Law Offices
Former Chairman, National Renewable Energy Board
Former Undersecretary of Energy

3:20 – 5:00

BUILD BUILD BUILD PROGRAM OF DUTERTE ADMINISTRATION

In his 10-point socioeconomic agenda, Philippine President Rodrigo Duterte envisioned the reduction of poverty from 21.6% in 2015 to 13%-15% by 2022. Among the reforms that will drive this agenda is the acceleration of infrastructure and the development of industries that will yield robust growth across the archipelago, create jobs and uplift the lives of Filipinos. Infrastructure is among the top priorities of this administration with public spending on infrastructure projects targeted to reach 8-9 trillion pesos from 2017-2022. The Build Build Build Program outlines high impact projects that are envisioned to increase the productive capacity of the economy, create jobs, increase incomes, and strengthen the investment climate leading to sustained inclusive growth.

THE REVISED NATIONAL RENEWABLE ENERGY PROGRAM

The Revised NREP presents a roadmap towards the development of emerging renewable energy technologies. The Revised NREP serves as the guide toward ensuring that the Philippines sustains industrial growth and create better lives for the Filipinos. Through renewable energy, people in far-flung remote areas will enjoy the benefits of electricity.

THE RENEWABLE PORTFOLIO STANDARDS AND OTHER RE REGULATIONS

The RPS On-Grid Rules mark an elementary shift in energy policy from the previous race-to-the-finish feed-in tariff (FIT) eligibility program to a more calculated system that seeks to further scale up the utilization of indigenous renewable energy resources in the Philippines for a target of 35% for renewable energy in the generation mix.

Panel of Discussants:

Bases Conversion and Development Authority
Department of Public Works and Highways
Renewable Energy Management Bureau, Department of Energy
National Renewable Energy Board
Mr. Ramon T. De Leon, Managing Director, Pac-Atlantic Group
Mainstream Renewable Power
Biomass Renewable Energy Alliance
Philhydro Association, Inc.
Confederation of Solar Developers of the Philippines
Philippine Solar Producers Association
Wind Energy Developers Association of the Philippines
National Geothermal Association of the Philippines
Bell Pirie

