



NATIONAL POWER CORPORATION

CERTIFICATION

THIS IS TO CERTIFY THAT as of 31 December 2022, the following are the Members of the National Power Board in accordance with the Revised Charter of NPC and the provisions of RA 9136 (EPIRA):

Secretary Carlos G. Dominguez III ¹ Secretary Benjamin E. Diokno ²	Chairman (DOF)
Secretary Alfonso G. Cusi ³ Secretary Raphael Perpetuo M. Lotilla ⁴	Vice-Chairman (DOE)
Acting Secretary Tina Rose Marie L. Canda ⁵ Secretary Amenah F. Pangandaman ⁶	Member (DBM)
Secretary Karl Kendrick Chua ⁷ Secretary Arsenio M. Balisacan ⁸	Member (NEDA)
Secretary Ramon M. Lopez ⁹ Secretary Alfredo E. Pascual ¹⁰	Member (DTI)
Secretary William D. Dar ¹¹ Honorable Ferdinand R. Marcos, Jr.	Member (DA)
Secretary Eduardo M. Año ¹² Secretary Benjamin C. Abalos ¹³	Member (DILG)
Secretary Roy A. Cimatu ¹⁴ Secretary Jim O. Sampulna ¹⁵ Secretary Maria Antonia Yulo-Loyzaga ¹⁶	Member (DENR)
OIC Donato D. Marcos (18 August 2021 to 30 May 2022)	Member (NPC)
OIC Melchor P. Ridulme (30 May 2022 to 30 September 2022)	Member (NPC)
PCEO Fernando Martin Y. Roxas (30 September 2022 to present)	Member (NPC)

This certification is issued to attest to the truth and accuracy of all the information contained herein based on available records and information that can be verified with the Corporation.



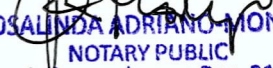
IN WITNESS WHEREOF, I have hereunto set my hand this 28 FEB 2023 day of February 2023 in Quezon City, Metro Manila, Philippines.


ATTY. PATRICK MABBAGU
Corporate Secretary

28 FEB 2023

SUBSCRIBED AND SWORN TO BEFORE ME this ____ day of February 2023 in Quezon City, Philippines, affiant exhibiting his proof of identity issued by the National Power Corporation with ID number: APW1300394.

Doc. No. : 114
Page No. : 25
Book No. : 8
Series of : 2023


ATTY. ROSALINDA ADRIANO MONTENEGRO
NOTARY PUBLIC
Commission expires on Dec. 31, 2023
PTR No. 4028249-01/03/2023 - Q.C.
IBP No. 263982 - 01/03/2023 - Q.C.
Roll No. 68465
MCLE Comp. No. VII-0021672 - 04/14/2025

-
- ¹ 30 June 2016 to 30 June 2022
 - ² Beginning 30 June 2022
 - ³ 30 June 2016 to 30 June 2022
 - ⁴ Beginning 18 July 2022
 - ⁵ 13 August 2021 to 30 June 2022
 - ⁶ Beginning 30 June 2022
 - ⁷ 20 April 2020 to 30 June 2022
 - ⁸ Beginning 29 September 2022
 - ⁹ 30 June to 30 June 2022
 - ¹⁰ Beginning 30 June 2022
 - ¹¹ 05 August 2019 to 30 June 2022
 - ¹² 09 January 2018 to 30 June 2022
 - ¹³ Beginning 30 June 2022
 - ¹⁴ 04 May 2017 to 28 February 2022
 - ¹⁵ 01 March 2022 to 30 June 2022
 - ¹⁶ Beginning 18 July 2022



BIOGRAPHICAL DETAILS

NAME	DATE OF BIRTH	DATE OF APPOINTMENT
CARLOS G. DOMINGUEZ BENJAMIN E. DIOKNO (DOF)	16 September 1945 31 March 1948	30 June 2016 to 30 June 2022 30 June 2022 to present
ALFONSO G. CUSI RAPHAEL PERPETUO M. LOTILLA (DOE)	5 December 1949 16 June 1958	30 June 2016 to 30 June 2022 18 July 2022 to present
DONATO D. MARCOS MELCHOR P. RIDULME FERNANDO MARTIN Y. ROXAS (NPC)	7 June 1963 6 January 1966 11 November 1957	18 August 2021 to 30 May 2022 30 May 2022 to 30 September 2022 30 September 2022 to present
TINA ROSE MARIE L. CANDA AMENAH F. PANGANDAMAN (DBM)	13 November 1961 25 December 1976	13 August 2021 to 30 June 2022 30 June 2022 to present
ROY A. CIMATU JIM O. SAMPULNA MARIA ANTONIA YULO- LOYZAGA (DENR)	4 July 1946 02 June 1957 11 September 1960	04 May 2017 to 28 February 2022 01 March 2022 to 30 June 2022 18 July 2022 to present
EDUARDO M. AÑO BENJAMIN D. ABALOS (DILG)	26 October 1961 19 July 1962	9 January 2018 to 30 June 2022 30 June 2022 to present
KARL KENDRICK CHUA ARSENIO M. BALISACAN (NEDA)	14 July 1978 08 November 1957	20 April 2020 to 30 June 2022 29 September 2022 to present
WILLIAM D. DAR FERDINAND R. MARCOS, JR. (DA)	10 April 1953 13 September 1957	5 August 2019 to 30 June 2022
RAMON M. LOPEZ ALFREDO E. PASCUAL (DTI)	26 October 1960 07 July 1948	30 June 2016 to 30 June 2022 30 June 2022 to present

CARLOS G. DOMINGUEZ III

**SECRETARY
DEPARTMENT OF FINANCE**



Carlos “Sonny” Dominguez has over 40 years of experience managing various organizations in the public and private sector. He was a shareholder, and board chairman or member of over a dozen corporations across various industries such as power, agriculture, mining, banking, hospitality, real estate and investment.

Notable positions held by Sonny were Cabinet Secretary of the Environment and Natural Resources and Agriculture during the presidency of Corazon Aquino, past president of leading Philippine corporations such as the Philippine Airlines and the Philippine Associate Smelting and Refining Corporation, and the former Bank of the Philippine Islands Agricultural Bank.

Sonny has a Master’s Degree in Business Administration from Ateneo de Manila University and attended the Executive Management Program at the Stanford University.

Benjamin E. Diokno
Secretary
Department of Finance



Dr. Diokno is the current Secretary of the Department of Finance (DOF). Prior to his appointment as fiscal chief, he served as Governor of the Bangko Sentral ng Pilipinas (BSP) from 2019 to 2022. Under his leadership, the Philippine central bank was among the first to respond to the pandemic and deploy decisive measures to cushion the adverse impact of the pandemic and pave the road to recovery.

He served as Budget Secretary from 2016 to 2019. On his third tour of duty at the Department of Budget and Management (DBM), he pursued an expansionary fiscal policy to finance investments in human capital development and public infrastructure.

His policy expertise and research contribution extend to various areas of public economics, such as the structure and scope of government, tax policies and reforms, public expenditure management analysis, fiscal decentralization, national budget, and public debt among other topics. He has extensive experience in implementing reforms in the public sector, having also served as Budget Undersecretary from 1986 to 1991 and Budget Secretary from 1998 to 2001.

Secretary Diokno served as an adviser and consultant to various multilateral agencies like the World Bank, Asian Development Bank, European Commission, and USAID for work in the Philippines, China, and transitioning economies like Vietnam, Cambodia, and Mongolia.

He finished his Bachelor's Degree in Public Administration from the University of the Philippines (1968), and earned his Master's Degree in Public Administration (1970) and Economics (1974) from the same university. He also holds a Master of Arts in Political Economy (1976) from Johns Hopkins University in Baltimore, Maryland, USA, and a Ph.D. in Economics (1981) from the Maxwell School of Citizenship and Public Affairs, Syracuse University in Syracuse, New York, USA. ■

ALFONSO G. CUSI
SECRETARY
DEPARTMENT OF ENERGY



Energy Secretary Alfonso G. Cusi has more than four decades of leadership experience in both private and public sectors. As a leader in the Philippine business sector, Cusi was engaged in the logistics and transportation industries.

He was the Chairman of the Batangas-based shipping company Starlite Ferries, Inc., which is spearheading the modernization of the domestic shipping industry with its recent acquisition of brand-new roll-on, roll-off (ro-ro) commercial vessels custom built in Japan.

He also founded and served as Chairman and President of various companies engaged in logistics and distribution, manning and crewing, maritime engineering as well as convenience stores.

Recognized as a good corporate steward, he also served as Board Member of the mining firm Intex Resources Philippines, Inc., a subsidiary of the Norway-based Intex Resources ASA.

Cusi started his career in the government service during the Arroyo administration, serving as General Manager of the Philippine Ports Authority (PPA) from February 2001 to July 2004. He was instrumental in the launch of the Strong Republic Nautical Highway that linked Luzon, Mindoro, Panay and Zamboanga del Norte in the country's western seaboard.

He also served as General Manager of the Manila International Airport Authority (MIAA) from August 2004 to March 2010. He initiated the opening of the mothballed NAIA Terminal 3 in 2008.

As Director General of the Civil Aviation Authority of the Philippines from March to December 2010, he laid the groundwork for the restoration of the Category 1 status of the Philippine aviation industry.

Cusi hails from Roxas town in Oriental, Mindoro and from Cebu City. He earned his Bachelor of Science degree in 1972 from La Salle College in Bacolod, his Master's Degree in Business Administration in 1976 from the University of the Philippines-Cebu, and his Doctorate in Business degree, honoris causa, in 2008 from the Polytechnic University of the Philippines.

He was also the Vice-Chairman of PDP-Laban prior to his appointment as a member of the cabinet.

Raphael Perpetuo M. Lotilla
Secretary
Department of Energy



Mr. Raphael Perpetuo M. Lotilla previously served as Energy Secretary from 2005 to 2007. As the energy chief of the Arroyo administration, he pushed for energy conservation measures and helped the country navigate through a crisis brought about by unprecedented oil price hikes.

He also served as Chairman of the Philippine Electricity Market Corporation, Philippine National Oil Company, president and CEO of PSALM Corporation, Deputy Director General of the National Economic Development Authority, Coordinator of the Philippine Council for Sustainable Development, Supervising Official of the Legislative-Executive Development Advisory Council Secretariat, and professor of law at the University of the Philippines.

Before he was appointed as secretary of energy under President Marcos, Jr.'s administration, he was an independent director of Aboitiz Power and Exenor, an oil and gas exploration company.

Mr. Lotilla holds undergraduate degrees in Psychology and History, a Bachelor of Laws degree from the University of the Philippines, and a Master of Laws degree from the University of Michigan Law School. ■



TINA ROSE MARIE L. CANDA

Department of Budget and Management
Boncodin Hall, General Solano St. San Miguel, Manila
Office No. 735-1987; 657-3300 local 2647

PERSONAL CIRCUMSTANCES

Date of Birth : November 13, 1961
Place of Birth : Manila, Philippines
Civil Status : Single
Languages/Dialects Spoken : English and Pilipino/Ilonggo

EDUCATIONAL ATTAINMENT

Master in Management, Philippine Christian University, 1994-1999

Bachelor of Arts, Major in Economics – Cum Laude, University of Santo Tomas,
1982-1986

FIELD/S OF EXPERTISE

Government Budgeting

Serves as Lecturer and Resource Speaker during Seminars on Budgeting
Procedures and Policies

AWARD RECEIVED

Outstanding Assistant Division Chief, 1991

PRESENT ASSIGNMENT

Undersecretary, February 6, 2017

Tina Rose Marie L. Canda is an Undersecretary of the Department of Budget and Management. She handles budget preparation and budget execution activities, analyzes the accountability reports to assess agency performance, initiates the crafting of various budgetary issuances proposed for issuance or revision.

USEC Canda graduated cum laude with a degree of Bachelor of Arts, major in Economics in 1982. She spent her entire career with the DBM starting as a Budget Analyst also in 1982. She handled foreign assisted projects and departments belonging to the Agriculture, Industry and Tourism sectors. She became director of the Budget Technical Service, a unit tasked with policy, standard setting and providing budgeting, accountability procedures for the national government agencies. She was also assigned as BMB-D Director of the Operations Group. As such, she handled agencies belonging to the justice, national security and public safety agencies such as the DILG, DOJ, DND, the Judiciary, Ombudsman, House of Representatives, Senate of the Philippines, and ARMM.

She has often represented the Department as speaker on budgeting policies and procedures especially where it applies to the budget preparation, execution and accountability phases of the budget cycle.

Amenah F. Pangandaman
Secretary
Department of Budget and Management



Ms. Amenah F. Pangandaman served as undersecretary of the Department of Budget Management during President Duterte's administration. She led the Office of the Secretary as it strived for the effective management and utilization of government resources.

Previously, she served as chief of staff to the Office of the Senate Finance Committee under the chairmanship of Senator Loren Legarda and to the Office of former Senate President Edgardo J. Angara.

Ms. Pangandaman finished her economics degree at Far Eastern University and her master's degree in development economics from the University of the Philippines. ■

KARL KENDRICK T. CHUA
ACTING SECRETARY
NATIONAL ECONOMIC
AND DEVELOPMENT AUTHORITY



Karl Kendrick T. Chua became Acting Secretary of NEDA on April 20, 2020. His top three priorities upon being appointed amid the COVID19 crisis include: fast-tracking the National ID System, the economic recovery plan, and the Build, Build, Build Program.

Prior to his appointment, he was Undersecretary for the Strategy, Economics, and Results Group in the Department of Finance (DOF). In this capacity, he helped the government implement its ten-point socioeconomic agenda by ensuring equitable and sustainable financing through the Comprehensive Tax Reform Program.

During his DOF tenure, he led the tax reform team to work with Congress to pass the Tax Reform for Acceleration and Inclusion (TRAIN) Law, which corrected the long-standing inequity of the tax system by reducing income tax rates while providing funding for the government's Build, Build, Build infrastructure program. Then-Undersecretary Chua was also critical in the passage of three pieces of legislation increasing excise taxes on "sin" products, such as tobacco, alcohol, and e-cigarettes, to fund the Universal Health Care Program.

Prior to joining the government, he was the World Bank's senior country economist for the Philippines. In this capacity, he advised the government on strategies and policies to attain more inclusive growth—the type that creates more and better jobs and reduces poverty.

In his last two years in World Bank, he spent one-and-a-half years working on Mindanao, where he led a team to conduct in-depth research for the 2016 Mindanao Jobs Report, a comprehensive strategy for the island group's development. The study's inclusive approach integrated the insights of government, business, labor, civil society, and vulnerable groups who are often left out in the engagement process, such as indigenous people, Moro women, out-of-school youth, combatants, and internally displaced people. He was with the World Bank for 12 years from 2004 to 2016.

Acting Secretary Chua completed his MA in economics in 2003 and PhD in economics in 2011 at the University of the Philippines School of Economics.

Prior to joining the World Bank, he was assistant professorial lecturer of mathematics and economics at the Ateneo de Manila University, where he also completed his BS in Management Engineering in 2000. He was consultant for several local and development partner-funded projects in the area of economic and fiscal policy.

Chua was named one of the Ten Outstanding Young Men and Women (TOYM) in January 2019 by the Junior Chamber International (JCI) Philippines.

He is married and has one child. His hobby is astronomy and his little boy is named after a star, Keid.

Arsenio M. Balisacan
Secretary
National Economic and Development Authority



Dr. Arsenio M. Balisacan is an economist with extensive development policy, governance, and administration expertise acquired from over 35 years of professional work as a government official, non-governmental organization executive, economic adviser, researcher, and professor.

A member of the regular faculty of the University of the Philippines School of Economics for over three decades, Professor Balisacan is serving as the first Chairman of the Philippine Competition Commission. Prior to this appointment, he was Socioeconomic Planning Secretary and, concurrently, Director-General of the National Economic and Development Authority (NEDA) in 2012-2016. In his capacity as NEDA Director-General, he served as Board Chairman of the Philippine Institute for Development Studies and as the first Board Chairperson of the Philippine Statistics Authority and the Public-Private Partnership Center of the Philippines.

Previous to his Cabinet appointment, he was Dean of the UP School of Economics, Director-Chief Executive of the Southeast Asian Regional Centre for Graduate Study and Research in Agriculture (SEARCA), and Undersecretary for Policy and Planning of the Department of Agriculture. Before joining the UP faculty in 1987, he was Research Fellow at the East-West Center in Honolulu and Economist at the World Bank in Washington, D.C.

Chairman Balisacan pursued his Ph.D. in Economics from the University of Hawaii, MS in Agricultural Economics from the University of the Philippines Los Baños, and BS in Agriculture (*magna cum laude*) from the Mariano Marcos State University. ■

RAMON M. LOPEZ

SECRETARY DEPARTMENT OF TRADE AND INDUSTRY



Ramon M. Lopez started a solid professional economic, trade and industry development career in the government in 1981. He worked at the Presidential Management Staff Office (1981), the Department of Trade and Industry (1982-1989), and the National Economic and Development Authority (1989-1993). He has extensive experience in trade and industry development planning, at the forefront of the Tariff Reform Program, Industry development programs, setting up of Asia Pacific Economic Cooperation (APEC) and the Association of Southeast Asian Nations (ASEAN) cooperation programs, technical studies on Countervailing Duty cases, critical consumer products' price structures and the development of the Foreign Investment Act. This included policy and program development and project evaluation functions.

His government work was followed by a continuous career in the business sector from 1994 to June 2016, with over 22 years of experience as a top executive of RFM Corporation, covering strategic planning and business development, marketing, mergers and acquisitions and equity investors group.

He was the Executive Director of the advocacy group Go Negosyo for the past 11 years (October 2005 to June 2016), initiating and implementing all its programs that empower the youth and aspiring entrepreneurs, micro and small entrepreneurs, the unprivileged sectors such as the PWDs, women and out-of-school youths. For the past three years, he was co-hosting the weekly Go Negosyo radio program at DZRH. He has also been giving lectures and mentoring to tens of thousands of entrepreneurs through Go Negosyo seminars, workshops, summits, books and social media.

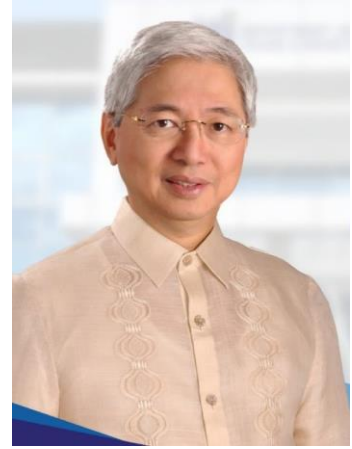
With his extensive experience in various government agencies, private sector and a dynamic entrepreneurship advocacy group, Lopez has gained the admiration and respect of the business, financial and investor communities in the Philippines and abroad.

This could have led to his nomination and eventual appointment as the Secretary of Trade and Industry under the new administration of the popularly-elected President Rodrigo Roa Duterte.

As Trade and Industry Secretary, he serves as Chairman of the ASEAN Economic Ministers as the Philippines assumes chairmanship of ASEAN for 2017. He chairs important advisory boards and councils including the Board of Investments, Philippine Economic Zone Authority (PEZA), Micro SME Development Council, Export Development Council and the Industry Development Council, to name a few. In his capacity as the trade chief, he is also among the APEC Ministers Responsible for Trade and has been invited to be a part of the World Economic Forum (WEF) and to be a founding member of the WEF-ASEAN Regional Strategy Group and Stewardship Board for International Trade and Investment System.

Ramon M. Lopez topped his Masters in Development Economics at Williams College in Massachusetts, USA in 1988 and finished his AB Economics degree at the University of the Philippines' School of Economics in 1981. He was recently recognized as one of the Outstanding Alumnus of the school.

Alfredo E. Pascual
Secretary
Department of Trade and Industry



Mr. Alfredo E. Pascual has contributed to society as a governance advocate, academic leader, international development banker, and management educator.

At the time of his appointment as Secretary of the Department of Trade and Industry, Mr. Alfredo E. Pascual was the President of the Management Association of the Philippines. He also served as President and CEO of the Institute of Corporate Directors, President of the University of the Philippines, director, and advisor to the Asian Development Bank for 19 years, and finance professor at the Asian Institute of Management.

He was an independent director on the board of publicly listed companies (e.g., SM Investments, Megawide Construction, and Concepcion Industrial). His past board memberships included non-profits and other organizations, such as the Philippine Institute of Development Studies (PIDS), International Rice Research Institute (IRRI), ICD, Institute for Solidarity in Asia (ISA), FINEX Academy, UP Foundation, UP CIFAL Philippines, Philippine Council for Foreign Relations (PCFR), and US-Philippines Society (USPHS).

Mr. Pascual finished his MBA and BS in Chemistry (*cum laude*) at UP. He attended the EC-ASEAN Program on Strategic and Organizational Change at the Euro-Asia Centre, Campus INSEAD, France. His awards included Honorary Doctorates from UP and four other universities, Presidential Lingkod Bayan Award from Malacanang, Rotary Golden Wheel Award for Higher Education, and Lifetime Distinguished Achievement Award from the UP Alumni Association. ■

WILLILAM D. DAR

**SECRETARY
DEPARTMENT OF AGRICULTURE**



William Dollente Dar had humbling beginnings as his farmer-parents were poor. His uncle Augustin Dollente sent him to college, studying BS in Agricultural Education in 1969 and MS in Agronomy in 1976, at the then Mountain State Agricultural College (MSAC), now known as Benguet State University (BSU), in La Trinidad, Benguet.

At BSU, he started as a researcher and instructor in 1979 and rose to become professor VI and vice president for R&D support services in 1985. In between those years, he pursued a PhD in horticulture at UP Los Baños, completing it in 1980.

When the DA was reorganized in 1987, then DA Secretary Carlos G. Dominguez III appointed him the first director of the Bureau of Agricultural Research (DA-BAR).

He then served as executive director of then PCARRD, from 1994 to 1998. The agency is now called the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, based in Los Baños, Laguna.

Sec. Dar was named by then President Joseph Estrada as DA acting secretary, from July 1998 to May 1999. Under his short 11-month watch, he started implementing the provisions of the Agriculture and Fisheries Modernization Act (AFMA), and despite an unfortunate El Niño episode, the agriculture sector registered an unprecedented growth of 9.6% in 1999.

To date, he is the only Filipino who led a global agricultural research institute — the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), in India, serving for an unprecedented three five-year terms, from 2000 to 2014. He left a legacy benefitting millions of farmers in India, Africa, and other dryland countries, including the Philippines.

Son of poor farmers from Danuman West, Sta. Maria, Ilocos Sur, Dar has quadrupled the income and investments poured into ICRISAT, from US\$ 21 million in 2000 to US\$ 85 million in 2014. The fund went to further developing modern and sustainable crop cultivars/hybrids and technologies of its five major commodities (sorghum, pearl millet, chickpea, pigeonpea, and peanut) that are planted by tens of millions of small farmers worldwide.

ICRISAT is one the 15 research institutes under the CGIAR (Consultative Group for International Agricultural Research), a global partnership dedicated to reducing rural poverty, increasing food

security, improving human health and nutrition, and ensuring sustainable management of natural resources. The International Rice Research Institute (IRRI) in Los Banos, Laguna, is also a member of CGIAR.

During his term, ICRISAT has partnered with the Philippines' Department of Agriculture through the Bureau of Agricultural Research, sharing modern sustainable farming technologies and cultivars of sweet sorghum, peanut, chickpea (garbanzos) and pigeonpea (kadyos) thousands of farmers in rainfed areas of Cagayan Valley, Ilocos, Southern Luzon, and Southern Mindanao regions.

He is currently the President of InangLupa Movement Inc., (InangLupa), a movement working for an inclusive, science-based, climate-smart and competitive Philippine agriculture.

He is also the former country representative of Prasad Seeds Philippines Inc.

His extensive research and professional experience were on crop management, farming systems development, and technology sharing and upscaling. He has received eight Doctorate degrees (Honoris Causa) in various fields by several state universities and colleges in (SUCs) in the Philippines.

In 1988, he was among the Ten Outstanding Young Men (TOYM) of the Philippines, and received an "Outstanding Administrator Award" from the Department of Science and Technology.

In 2014, he received the "Outstanding MS Swaminathan Leadership Award" from India.

In December 5, 2014, he received a "Pamana ng Pilipino Award" from then President Benigno Aquino III, honoring outstanding overseas Filipino individuals and organizations.

Hon. Ferdinand R. Marcos, Jr.
President, Republic of the Philippines
Secretary, Department of Agriculture



President Ferdinand R. Marcos Jr. has long championed agricultural development throughout his nearly four decades in public service—during his stint as Governor of Ilocos Norte, from 1983 to 1986 and from 1998 to 2007, and as lawmaker, first as the Representative of the Second District of Ilocos Norte from 1992 to 1995 and from 2007 to 2010, and second, as Senator from 2010 to 2016.

Under his leadership as Governor, Ilocos Norte saw significant expansion in rice and corn production as well as in livestock. He was branded as “Rice czar” as the province became rice self-sufficient with an average of 296 percent sufficiency level.

Also, for the whole period of his term, Ilocos Norte sustained more than 100 % self-sufficiency in corn and other major commodities. The province is the number 1 garlic producer and second largest producer of mango in the region.

Among the agriculture-related bills President BBM filed during his term as Senator were Senate Bill (SB) No. 14 or the proposed National Irrigation Program of 2013, SB 112 or the proposed National Seeds Production Act, SB 1863 or the proposed Anti-Rice Wastage Act, and SB 409 or the proposed Philippine Soybean Authority Act.

During the 16th Congress, he was a member of the Committees on Agriculture and Food and Agrarian Reform, as well as the Agricultural and Fisheries modernization and Congressional Oversight Committee on Agrarian Reform.

Now, as the country’s 17th President, his plan of action for the short term is to increase the yield of the country’s main staple and provide support to those in need of government assistance. Over the long-term, he is pushing for multi-year planning focused on the restructuring of the food value chain from research to development to retail. ■

EDUARDO M. AÑO

SECRETARY DEPARTMENT OF INTERIOR AND LOCAL GOVERNMENT



Eduardo Manahan Año was born in San Mateo, Rizal on October 26, 1961.

He entered the Philippine Military Academy right after high school and became a member of the PMA Matikas Class of 1983, where he graduated as Cum Laude.

During his active military career, he consistently ranked number one in all his military courses either local or foreign. In 1993, Año finished on top of his class in the International Officer Intelligence Course at Fort Huachuca, Arizona, USA, earning a perfect rating of 100%, a feat that remains unchallenged up to this date.

Because of his virtuous reputation, exceptional professionalism, and unquestionable integrity, he was entrusted to hold vital military positions which include being the Commander of the Intelligence and Security Group of the Philippine Army; the Chief of the Intelligence Service Armed Forces of the Philippines; the Commander of the 10th Infantry (Agila) Division; the 57th Commanding General of the Philippine Army; and eventually the 48th Chief of Staff of the Armed Forces of the Philippines.

Sec. Año was instrumental in the neutralization of countless Terrorist and Communist High-Value Targets, which ultimately made him a legend in the Intelligence Community.

Being a devout catholic, Año also fervently advocated the value of Servant Leadership and always gave premium to the importance of Teamwork. Under his able leadership, the AFP achieved its highest net-satisfaction rating from the populace. This was demonstrated when he was designated as the Martial Law Administrator in Mindanao during the five-month-long Marawi Crisis where an influx of support to the AFP was witnessed and felt.

In recognition of his outstanding service and work ethics, he has been a recipient of more or less 70 awards, medals and decorations, both locally and abroad. He received the coveted Philippine Military Academy Cavalier Award in 1996 as an outstanding PMA Alumnus in the field of Army Operations. He is also a recipient of the Philippine Legion of Honor (Degree of Chief Commander) and the prestigious Panglima Gagah Angkatan Tentera (PGAT) that was awarded by no less than His Majesty, the King of Malaysia.

Ed, as friends call him, is happily married to the former Ms Jean Joselyn Maria R Dioso, and they are blessed with four (4) children namely Edwin Jr, Edward, Janelle Marie, and Jasmine Claire.

Benjamin D. Abalos, Jr.
Secretary
Department of Interior and Local Government



Secretary Benjamin D. Abalos, Jr. has served as the Chairman of the Metropolitan Manila Development Authority and as Mayor and Congressman of Mandaluyong City.

While serving as the local chief executive in Mandaluyong, Sec. Abalos also served concurrently as President of the League of Cities of the Philippines from 2007-2010 and of the Union of Local Authorities in the Philippines.

Under his helm, Mandaluyong received numerous awards such as the prestigious 2015 United Nations Public Service Award in recognition of his initiative, Project TEACH. The program was used as a model for other third-world countries and bagged the Galing Pook Awards in 2013 along with the city's Garden of Life Park.

The city received the Presidential Award for Most Child-Friendly in the Philippines in 2011 and was named a top regional awardee with the Seal of Child-Friendly Local Governance in January 2016 by the Council for the Welfare of Children. Also, the city ranked second in Top Performing Cities Based on Locally Generated Revenues in the 2010-2011 Comparative Report of the Department of Finance-Bureau of Local Government Finance.

Sec. Abalos was also a lecturer at the University of the Philippines, National College of Public Administration and Governance, Development Academy of the Philippines, and Local Government Academy. ■

ROY A. CIMATU

SECRETARY DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES



A native of Bangui, Ilocos Norte, **Secretary Roy A. Cimatú** is a graduate of the public school system from the elementary up to high school. Despite this, he graduated from the Philippine Military Academy in the class of 1970.

His eagerness to learn made him attain more scholastic achievements. This includes graduating from the Infantry Officers Advanced Course in the Philippine Army Training Command where he topped the course with a rating of 97.27%, an academic record which remains unsurpassed in the college history. He also graduated from the United States Army Command and Staff College in Fort Leavenworth, Kansas, USA.

He also furthered his education with a degree in Master in Business Administration from the Ateneo Graduate School of Business. A skilled pilot of a helicopter and a fixed-wing aircraft, he was also a recipient of the Cavalier Award from the Philippine Military Academy Alumni Association and a Hall of Fame from the United States Command and General Staff college.

All these academic accolades can be attributed to both his parents who are both teachers by profession.

Being a Second Lieutenant, he was assigned as Company Commander in Patikul, Sulu during the Armed Forces of the Philippines (AFP) attack against the Moro National Liberation Front (MNLF) under its founding chairman Nur Misuari.

In the 80s, meanwhile, he was sent to Northern Panay as Battalion Commander in Aklan, a place under the heavy influence of the New People's Army (NPA). The vicinity is a highway of the northern towns, especially in Ibabay, Aklan, which was heavily infested by the NPA. The same highway was a gateway to the present-day Boracay Island, to which his successful efforts to clear the area from threats led to the development of the top tourist destination spot in the country today.

JIM OLIVEROS SAMPULNA, *PhD., CESO I*

Mr. Jim Oliveros Sampulna is a homegrown career executive of the DENR who rose from the ranks through his own merits. He was the 22nd Secretary of the Department and was appointed on February 18, 2022 under the administration of President Rodrigo Roa Duterte.

Prior to this, Mr. Sampulna has worked with the Department since 1977, starting as a Tree Marker. His tour of duty in the DENR has given him opportunities to effectively lead various offices such as Regions XI, XII, XIII in Mindanao, to Region I in Luzon and Region VI in the Visayas. His previous work assignments include: Chief Regional Development Specialist of DENR Region 12 (1988); Planning Officer V (1989); PENRO (1996); Director III (2001); Regional Technical Director – Lands (2003); Director IV (2004); Regional Executive Director (2009); Regional Director (2013); OIC Assistant Secretary for Field Operations – Western Mindanao (January 2019); Undersecretary for Enforcement and Special Projects (October 2019); Undersecretary for Muslim Affairs (November 2019); Undersecretary for Field Operations, Enforcement and Muslim Affairs (February 2020); Undersecretary for Mining and Muslim Affairs (May 2021); and Undersecretary for Mining, Muslim Affairs and Attached Agencies (October 2021).

Mr. Sampulna is a graduate of Bachelor of Science in Commerce and Management. He continued his studies to earn a Bachelor of Laws degree from the Notre Dame University (1983); Master's degree in Professional Studies (major in Public Affairs Management) from the University of Southern Mindanao (1994); Master of Science in Business Administration from Agusan Colleges in 2002, and a PhD in Management (major in Human Resources Development) from the University of the Visayas (2012). He also earned the rank of Career Executive Service Officer I, the highest CESO level, in 2021. His technical trainings in both local and foreign courses afforded him wide exposure on important concerns such as the sub-regional economic cooperation initiative under the BIMP-EAGA, environmental law enforcement, clean energy, green Information and Communications Technology (ICT), solid waste management, and biomass energy.

With his wealth of experience and the productive rapport he has nurtured with the rank-and-file throughout the DENR across four decades.

Sampulna was born on June 2, 1957 in Cotabato City. He is married to Agnes Duruin Sampulna who is a registered nurse and former Regional Director of the Commission on Population, Region XI, Davao City. Their union is blessed with four accomplished children.

Maria Antonia Yulo – Loyzaga
Secretary
Department of Environment
and Natural Resources



Before she was tapped to lead the Department of Environment and Natural Resources, Ms. Ma. Antonia Yulo-Loyzaga is the chairperson of the International Advisory Board of the Manila Observatory. She worked with the institute to advance scientific research in climate and disaster resilience through research collaboration and public-private partnerships.

Ms. Loyzaga is a member of the Senior Advisory Board of the Armed Forces of the Philippines Command and General Staff College and Technical Adviser to the Philippine Disaster Resilience Foundation. She is also a member of the UNISDR Asia Science and Technology Academia Advisory Group for implementing the Sendai Framework for Disaster Risk Reduction. She leads the work theme on Education and Training for UNISDR ARISE Philippines.

Secretary Toni is a member of the Board of Trustees of the Ateneo de Manila and Ateneo de Naga University. She has an MA in Government from Georgetown University. ■

DONATO D. MARCOS

OFFICER-IN-CHARGE

NATIONAL POWER CORPORATION



Donato D. Marcos is a senior undersecretary of the Department of Energy. As undersecretary, he holds array of portfolios which include energy efficiency and conservation, alternative fuels, energy resource development (coal, oil and gas), downstream oil industry management and nuclear energy program, among others. He is chairman of the Philippine Downstream and Natural Gas Regulation Committee, Task Force Mimaropa and Philippine Convention Energy Cooperation program. He is also alternate chairman for PNOC Exploration Company, National Biofuels Board and MOU China-Philippines Bilateral Cooperation.

Usec. Marcos has attended several energy-related trainings from various parts of the world like hydropower technology in Slovenia, Czech Republic and Prague, renewable energy from Germany, liquified natural gas from Singapore and Qatar, and nuclear energy technology from Japan, Russia, Vienna, and Croatia.

Prior to his stint at the DOE, Marcos is President Emeritus and used to be National President of the League of Municipalities of the Philippines. He was also Municipal Vice-Mayor of Paombong town in Bulacan from July 1, 2004 to March 21, 2005 and eventually became the Municipal Mayor thereafter following the demise of the incumbent mayor. He was mayor until June 30, 2013.

He has a degree in Mining Engineering from the Mapua Institute of Technology and finished his master's degree in public administration from Manuel L. Quezon University. He is also an aqua culturist and businessman.

MELCHOR P. RIDULME
Vice President, Legal Counsel
National Power Corporation



Atty. Ridulme first served the government as Attorney III of the Department of Labor and Employment immediately upon his admission to the Philippine Bar in 1992. Not long after in 1993, he joined the National Power Corporation as Chief Corporate Attorney A and rose through the ranks to become Vice President in 2008.

He is currently the Project Coordinator and Chairman of Working Group No. 4 – Policy Studies and Commercial Development of the Heads of ASEAN Power Utilities and Authorities (HAPUA), a forum under the auspices of ASEAN composed of ten-member countries, which is committed to cooperate and support each other through exchange of information and discussion on issues related to electricity.

Atty. Ridulme studied at the University of the Philippines with a degree of AB in Political Science (Economics). He completed his law studies at the San Beda College.



FERNANDO MARTIN Y. ROXAS, DBA

PROFESSIONAL EXPERIENCE

Asian Institute of Management (AIM), Makati

Full Professor, 2000-present

Professor, researcher, and center administrator at the only AACSB-accredited graduate school in the Philippines.

Professor

Currently teaches in the degree and non-degree programs in the areas of Systems Thinking, Operations & Supply Chain Management. Served as thesis adviser and panelist.

Key Achievements:

- Published over 20 cases, journal articles, book, book chapters
- Recipient of Outstanding Case Writer by CEEMAN (European Quality Assurance Body) together with Emerald Publishing (2017) as well as WDI Publishing (2018)

Executive Director, Dr. Andrew L. Tan Center for Tourism, 2015-present

Directly supervises 2 staff in training and research activities as well as in providing executive programs and forums in the area of sustainable tourism.

Key Achievements:

- Led the use of Systems Thinking discipline as a way to promote and enhance Sustainable Tourism
- Led the team that designed, ran and analyzed two (May & December 2021) national surveys regarding Domestic Tourism preferences, for the Dept. of Tourism

National Power Corporation, Quezon City

Group Manager, Privatization and Restructuring External Office (1997-2001), Manager, Strategic Planning Department (1994-1996), Corporate Planning Group (1990-1994), Geologist/Principal Geophysicist (1978-1990)

Key Achievements:

- Responsible for crafting the Electric Power Industry Reform Act of 2001
 - Produced the first Privatization & Restructuring Master Plan for the National Power Corporation
-

OTHER PROFESSIONAL AND CONCURRENT EXPERIENCE

Member (2022-present), Rules Change Committee, **Philippine Electricity Market Corporation.**

Member (2018-2022), Market Surveillance Committee, **Philippine Electricity Market Corporation.**

Managing Director (2012-2014), **Green Square Properties Inc.**

Senior Advisor (2013, January-March), Integrated Energy Database and Marginal Abatement Cost Curve for the Philippines, **USAID**

Advisor (2013, February), Updating – Philippine Sector Assessment, Strategy & Roadmap, **Asian Development Bank**

Adviser (2013, February), Financial & Economic Analysis, Philippine Energy Efficiency Project Evaluation, **Asian Development Bank**

Adviser (2013, January-February), Financial & Economic Analysis, Project Completion Report Electricity Market and Transmission Development Project, **Asian Development Bank**

Independent Evaluator (2010, October), JICA Ex-Post Evaluation FY2009, Package 16, Northern Negros Geothermal Project, **OPMAC - Japan International Cooperation Agency**

Independent Evaluator (2010, October), JICA Ex-Post Evaluation FY2007, Luzon Grid Transmission Project, **OPMAC - Japan International Cooperation Agency**

Consultant (2010, May). Assessment of the Philippine Power Sector Issues & Challenges: Recommended ADB Assistance Strategy, **Asian Development Bank**

Consultant (2009, September) Clean Technology Fund & Country Investment Plan, **World Bank/ Asian Development Bank**

Advisor (2007-2008). **Philippine Economic Zone Authority, PEZA/USAID**

Advisor (2002-2007). **Office of the Energy Secretary** funded by **USAID/PA Consulting**

Consultant (2005-2006). Energy Sector Profile & Roadmap Project, **Asian Development Bank**

Consultant (2004-2005). Operations Review, Power Sector Lending Portfolio, **Asian Development Bank**

Consultant (2004). Power Supply Strategy Options for Malls. **Private Client.**

Consultant (2003, June-October). Assessment of Power Supply Alternatives for Siquijor Island, **Deutsche Gesellschaft für Technische Zusammenarbeit GmbH** (German: German Agency for Technical Cooperation)

Consultant (2003). Missionary Electrification Development Plan. **World Bank/Department of Energy.**

Technical Advisor (2002, January-June). **Energy Regulatory Commission** funded by **PA Consulting.**

Privatization & Restructuring Advisor (2001). Advisor for the Implementing Rules and Regulations (IRR) for the Power Reform Act (RA 9136), **Department of Energy**, funded by **PA Consulting**

EDUCATION AND CREDENTIALS

Doctor in Business Administration, De La Salle University (High Distinction), 1998

Master Degree in Business Management, Asian Institute of Management, 1987

Master Degree in Engineering Geology, Asian Institute of Technology, 1984

Bachelor of Science in Geology, University of the Philippines, 1978

Philippine Board Licensure Examinations for Geologists, 5th Rank, 1979

Career Executive Service Board Eligible. 1995. CES Rank IV

SELECT PUBLICATIONS

Santiago, A., Roxas, F.M., Rivera, J.P., & Gutierrez, E.L.M. (2021). Coping mechanisms of Philippine tourism and hospitality family businesses during the COVID-19 pandemic: a non-parametric approach. *Journal of Family Business Management*. In press.

Roxas, F., Rivera, J.P., & Gutierrez, E.L. (2021). Bootstrapping tourism post-COVID-19: A systems thinking approach. *Tourism and Hospitality Research*. In press. <https://doi.org/10.1177%2F14673584211038859>.

Roxas, F., Rivera, J.P., & Gutierrez, E.L. (2020). Mapping stakeholder's roles in governing sustainable tourism destinations. *Journal of Hospitality and Tourism Management*, 45,397-398. [ISSN: 1447-6770]

- Roxas, FM., Rivera, J.P., & Gutierrez, E.L. (2018). Framework for creating sustainable tourism using systems thinking. *Current Issues in Tourism*, (pre-published October 2018). [ISSN: 1368-3500]
- Roxas, FM. Rivera, J.P.R., & Gutierrez, E.L.M. (2018t). Boosting the Philippine Economy through Sustainable Tourism. *The World Financial Review*, July-August, 35-39.
- Roxas, F. & Santiago, A. (2018). Milking the Future: DVF Dairy Farm Partners with the Filipino Farmer. *WDI Publishing*, 4, 854-290.
- Santiago, A. & Roxas, F. (2016). Sustainable Philippine Cities and Habitat for the New Millennium. *Journal of Developing Societies*, 32(3), 1-23. [ISSN: 0169796X] doi: 10.1177/0169796X16651949
- Roxas, F. & Santiago, A. (2016). Alternative framework for renewable energy planning in the Philippines. *Renewable & Sustainable Energy Reviews*, 59, 1396-1404. [ISSN: 1364-0321] doi:10.1016/j.rser.2016.01.084
- Santiago, A. & Roxas, F. (2015). Innovative inclusive development strategies: Lessons from the Philippines. In Gudic, M., Rosenbloom, A. & Parkes, C. (Eds). *Responsible Management Education and the Challenge of Poverty: A Teaching Perspective*, (pp. 26-41). Greenleaf Publishing: Sheffield, UK.
- Dampf, M. & Roxas FM., (2015) Feed-in tariffs as an incentive to power investments in the Philippines, *Asia Pacific Business & Economics Perspectives*, 3(2).
- Santiago, A. & Roxas, F. (2012). Identifying, developing, and moving sustainable communities through renewable energy. *World Journal of Science, Technology and Sustainable Development*, 9(4), 273-281. doi: 10.1108/20425941211271487. [2013 Outstanding Paper Award by Emerald Literati Network].
- Santiago, A. & Roxas, F. (2012). An entrepreneur's contribution to poverty alleviation in the Philippines. In D. Halkias (Ed.), *Entrepreneurship and sustainability: Business solutions for poverty alleviation from around the world*, (pp. 71-76). London, United Kingdom: Gower Publishing. 978-1-4094-2873-2
- Roxas, F. & Santiago, A. (2010). Broken dreams: Unmet expectations of investors in the Philippine electricity restructuring and privatization. *Energy Policy*, 38(11), 7269-7277. doi: 10.1016/j.enpol.2010.08.003
- Santiago, A. & Roxas, F. (2010). Understanding electricity market reforms and the case of Philippine deregulation, *Electricity Journal*, 23(2), 48-57. doi:10.1016/j.tej.2010.02.003

- Roxas, F., (2005, March). Why are Philippine Electricity Tariffs so high? *Working Paper Series*, 9-11, Washington Sycip Policy Center, Asian Institute of Management.
- Roxas, F., (2005, March). Why is NAPOCOR losing so much money? *Working Paper Series*, 9-10, Washington Sycip Policy Center, Asian Institute of Management.
- Roxas, F. and Santiago, A. (2004). Southeast Asia energy sector: Opportunities for Canadian SMEs. In L. Wright (Ed.), *Success and Investment: Southeast Asia* (pp. 33-44). Toronto: Schulich School of Business, York University.
- Roxas, F. & Buhain, E. (1998). Restructuring & Privatizing the National Power Corporation: How will consumers benefit? *Geothermal Resources Council Transactions* 22,215-218.
- Roxas, F. (1990). The Economics of an Energy Crisis, *DLSU Business & Economics Review*, 3(1-2) 70-76.
- Datuin R. & Roxas, F. (1990). Geothermal Development and Policy in the Philippines. *Geothermal Resources Council Transactions*, 14(1).

RESEARCH PAPER HIGHLIGHTS

- Santiago, A. & Roxas, F. (2014). *Sustainable Philippine Cities and Habitat for the New Millennium*. Paper presented at the International Conference on Global STS, School of Humanities and Social Sciences, Nanyang Technological University, Singapore, March 14-15, 2014
- Bandyopadhyay, T. & Roxas, F. (2013). Improving Efficiency of Electricity Distribution Units through Benchmarking and Mergers. Paper presented at the 11th Int'l Conference on Data Envelope Analysis, Samsun, Turkey, June.
- Roxas, F. & Santiago, A. (2012, June). *Sustainable Communities: A New Energization Paradigm for Poverty Alleviation and Food Security*. Presented at the 5th International Conference on Sustainable Energy and Environmental Protection, Dublin, Ireland, June 5-8.
- Roxas, F. & Santiago, A. (2010, September). *A New Systems Paradigm for the Rural Electrification Program, Philippines*. Paper presented at the XXI World Energy Congress, Montreal, Canada. Published by the International Energy Technology Data Exchange by the International Energy Agency (Paris, France) and Curran Associates (NY, USA) ISBN:9781617387364.
- Roxas, F. & Santiago, A. (2010, February). *Creating Innovative Enterprises in Marginally Depressed Rural Communities: A Paradigm Shift for Rural Electrification Programs*. Paper presented at the 2nd International Research Conference on Entrepreneurship at De La Salle University, Manila, Philippines.

Roxas, F. (2001). *The Importance and the Changing Role of the Independent Power Producers in the Proposed Competitive Power Market in the Philippines*, Paper presented at the APEC 8th Technical Seminar and 7th Coal flow Seminar, APEC Bangkok, Accessible at <http://rru.worldbank.org/PapersLinks/Independent-Power-Generation-Project-Finance/>

Roxas, F. (1993). *Hydrogeology of the Sto. Tomas Rain Basin, Northern Philippines*", GEOCON '92 Proceedings, Geological Society of the Philippines Publication.

Roxas, F. (1991). *Private Sector Participation in Power Generation using Build-Operate-Transfer. Will it Work for the Philippines?* Proceedings – World Energy Council Committee on Energy Issues in Developing Countries, United States Energy Association/World Energy Council, Washington, DC.

PROFESSIONAL MEMBERSHIP

Anti-Poverty Working Group, United Nations Principles of Responsible Management Education since 2014

National Research Center of the Philippines since 1988