

A stylized illustration of a colorful bird, possibly a bird of paradise, with vibrant orange, yellow, and blue feathers. A red power cord is wrapped around its body, with a two-prong electrical plug extending to the left. The background is a solid blue color with faint, light blue silhouettes of tropical leaves and branches.

PNG

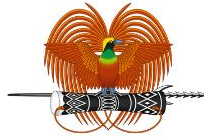
National Power Sector Forum

APEC Haus, Port Moresby | 3 April 2025

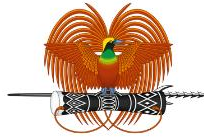
The logo for the Asian Development Bank (ADB), consisting of the letters "ADB" in white, serif font, centered within a dark blue square.

ADB



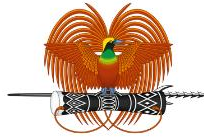


Day 1: Open Forum – Addressing Challenges and Strategic Priorities		
Time (PGT)	Activities	Duration (Mins)
8:30 am	Registration and coffee/tea	30
9:00 am	<p>Welcome Remarks Said Zaidansyah (Country Director, ADB) welcomes the participants and introduces the Forum’s objectives</p> <p>Opening Remarks Priyantha Wijayatunga (Senior Sector Director Energy, ADB) opens Forum, emphasizing lessons from regional peers</p> <p>Hon. William Duma (Minister of State Enterprises) opens Forum and welcomes the participants on behalf of the Government PNG</p>	30
9:30 am	<p>Keynote Address Hon. James Marape (Prime Minister) outlines the government’s energy vision and policy reforms, focusing on the need for practical and sustainable solutions to challenges in achieving the 70% electrification and driving economic development</p>	30
10:00 am	<i>Photo break</i>	15
10:15 am	<p>Session 1: Sector Planning – Developing a Power Sector Master Plan, and Renewable and Climate Policies</p> <p><u>Introduction:</u> Speaker: Peter Baum, Senior Energy Specialist, ADB</p> <p>Background: This session explores how sectoral planning can provide a framework to guide infrastructure investments (for public and private investment) with national policy targets and identify energy priorities to meet the requirements from the broader economic and social development frameworks. What are best practices and how can countries build on sector planning to ensure the least cost development to ensure the delivery of reliable and affordable electricity while meeting climate targets, and develop the strategy for policy alignment, regulatory consistency and financial sustainability? How can long-term sectoral planning foster investments in electrification and</p>	75



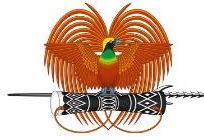
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	<p>renewable energies, including the mobilization of private capital?</p> <ol style="list-style-type: none"> 1. <u>Presentation (15 minutes)</u>: Government plans and outlook Speaker: Hon. Thomas Opa, Minister of Energy 2. <u>Global Insight (15 minutes)</u>: Power sector planning and sector governance – experience from Indonesia Speaker: Syofvi Roekman, Director, Tetrattech, formerly PLN (Indonesia) 3. <u>Global Insight (15 minutes)</u>: Success story – Philippine Energy Plan Speaker: Antonio Barcelona, Division Chief Power Market Development Division, Department of Energy Philippines 4. <u>Panel discussion (30 minutes)</u>: The panel will discuss the benefits of an integrated power sector plan and the role of a unified plan in helping to overcome challenges like fragmented decision-making, resource inefficiencies and investment security, and to position PNG for long-term energy security and growth. <p>Panel Members:</p> <ul style="list-style-type: none"> ○ Koney Samuel, Secretary, Department of National Planning and Monitoring ○ Dr. Cate Rogers Minister Counsellor Economics, Health and Infrastructure, Australian Department of Foreign Affairs ○ Matsuoka Hideaki, Chief Representative, JICA <p>Moderator: Keiju Mitsuhashi, Director, ADB</p>	

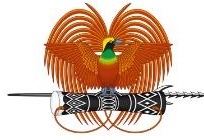


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Time (PGT)	Activities	Duration (Mins)
11:30 am	<p>Session 2: Financial Sustainability and Tariff Reforms</p> <p><u>Introduction:</u> Speaker: Hyunjung Lee, Senior Energy Economist, ADB</p> <p>Background: PNG Power Ltd. (PPL) is facing critical financial challenges impacting the sustainability of the country's electricity supply. This session will look at the linkages of financial sustainability and service delivery and quality. What are current challenges, ongoing and future plans to improve service performance, and key achievements up to now? what is needed to bring back major commercial electricity users to utility supply and increase potential revenues? How have other countries approached improving in parallel service quality and financial performance? The session will further look at the role of tariff frameworks in ensuring adequate infrastructure maintenance and investments. What role does the regulator play and what are lessons from other countries? Further, the session will explore approaches to electricity provision to remote communities under commercially less viable circumstances. How can so-called community service obligations be treated and what lessons do other countries offer?</p> <p>1. <u>Shared focus on Financial Sustainability (15 minutes):</u></p> <p>Reform in progress: PPL's recent service improvements and continued commitment for turnaround Speaker: CEO, PNG Power Ltd.</p> <p>2. <u>Presentation (15 minutes):</u></p> <p>Tariff regulation and assessment of sector's financial challenges Presenter: Satnam Singh, ADB consultant, CRISIL</p> <p>3. <u>Global Insight (15 minutes):</u></p> <p>In Sri Lanka, ADB's programmatic approach and policy-based loan for the Power Sector Reforms and Financial</p>	60

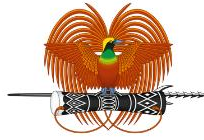


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	<p><u>Sustainability</u> aims to consolidate the electricity industry reforms implemented under the Electricity Act 2009 by unbundling Ceylon Electricity Board (CEB) into wholly-owned corporate entities for generation, transmission and distribution of electricity, implementation of fully cost reflective tariffs, facilitate an enabling environment for market liberalization, and strengthen renewable energy investment activities in the country.</p> <p>Speaker: Priyantha Wijayatunga, Senior Sector Director Energy, ADB</p> <p><u>Facilitated discussion on financial sustainability of utilities</u></p> <p>Moderator: Hyunjung Lee, Senior Energy Economist, ADB</p>	
12:30 pm	Lunch Break	60
1:30 pm	<p>Session 3: Privatization and Utility Reforms</p> <p><u>Introduction:</u></p> <p>Speaker: Peter Baum, Senior Energy Specialist, ADB</p> <p>Background: Given the enormous challenges in the power sector—ranging from financial performance to the quality of energy supply and access to electric services— provided by the public sector, there are emerging discussion on leveraging the private sector to improve the sector’s performance. Privatization can take different forms depending on the purpose and context, each yielding distinct outcomes. This session looks at key success factors for privatizations in the power sector and what the global experiences and lessons are. The session furthermore explores utility reforms more broadly. What are ongoing initiatives in PNG and what lessons can be drawn from the experiences of other countries?</p> <p>1. <u>Global Insight (15 minutes):</u> Preparing and implementing utility reforms and privatization</p> <p>Speaker: Rohan Seneviratne, <i>former CEO</i>, Ceylon Electricity Board (Sri Lanka)</p>	60



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	<p>2. <u>Global Insight (15 minutes)</u>: Lessons learned from power utility reforms and privatization around the world Speaker: Eric Shumway, Senior Director, Delphos</p> <p>3. <u>Panel discussion (30 minutes)</u>: Speakers:</p> <ul style="list-style-type: none"> ○ Antonio Barcelona, Division Chief Department of Energy Philippines: <i>Sector restructuring and privatization in the Philippines</i> ○ Professor David Kavanamur, MD, KCH: <i>Ongoing utility reform processes in PPL</i> ○ Mariano Salto, Senior Energy Specialist, World Bank: <i>Enabling environment for privatization</i> <p>Moderator: Peter Baum, Senior Energy Specialist, ADB</p>	
2:30 pm	<p>Session 4: Electrification Rollout – Leveraging On- and Off-grid Solutions to Connect PNG’s Population to Power</p> <p><u>Introduction:</u> Speaker: Tika Limbu, Principal Energy Specialist, ADB</p> <p>An estimated 20% of PNG’s population have access to electricity. This session will focus on how high-level policy targets can practically be supported and the national rollout of access to electricity can be advanced. What have the experiences of other countries been and what lessons can PNG draw from them? What are successfully proven institutional setup and how can collaborative approach incl. provincial governments and private sector help accelerate electrification. What is the role of a robust planning and implementation framework and what funding and technical support from development partners can be utilized. In remote contexts away from major grids, mini-grid operations can be a useful tool. How can these be further scaled? What is role of regulation and streamlined licensing to encourage provincial governments and private sector</p>	60



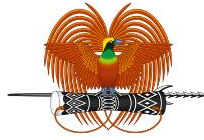
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	<p>participation? What can be learned from other countries with populations in remote geographies like Nepal or Indonesia (West Papua)?</p> <ol style="list-style-type: none"> <li>1. <u>Global Insight: Success stories on electrification in Nepal</u> <p>Nepal, a lower-middle-income economy has achieved 99% electrification, and 76 of the 77 districts are connected to the national grid. In 2010, Nepal's electrification rate stood at 53%, leaving 12.5 million people without access to electricity. Through targeted investments, Nepal was able to expand access by leveraging small-scale renewable projects and building out grid infrastructure. Key enablers included community involvement in rural areas, the establishment of a dedicated rural electrification directorate with government budget and an investment plan supported by development partners, the establishment of alternative energy promotion center for off-grid solar and micro-hydro systems for remote areas. These initiatives including policy reforms and infrastructure development enabled the country to overcome geographical and logistical challenges. The speaker will also share the success stories of Nepal's Electricity Authority's turnaround from a loss-making to a profit-making utility</p> <p>Speaker: Mr. Dinesh Kumar Ghimire, Ex- Secretary, Ministry of Energy, Nepal (20 Minutes)</p> <ol style="list-style-type: none"> <li>2. <u>Panel discussion – electrification through different approaches (35 minutes)</u> <p>Panelists:</p> <ul style="list-style-type: none"> <li>Syofvi Roekman, Director, Tetrattech, <i>formerly PLN (Indonesia): Planning and financing electricity access sustainably</i> <li>○ James Nelson, CEO, Dirio Gas and Power: <i>Private sector investments in electrifying PNG provinces</i> 	

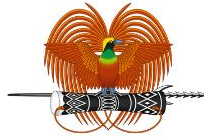


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	<ul style="list-style-type: none"> ○ Artemiy Izmayev, Country Economist, UNDP tbc: <i>Connecting rural communities</i> ○ Mr. Dinesh Kumar Ghimire, Ex- Secretary, Ministry of Energy, Nepal <p>Moderator: Tika Limbu, Principal Energy Specialist, ADB</p>	
3:30 pm	Tea break	15
3:45 pm	<p>Session 5: Expanding Renewable Energy through Private Sector Investments</p> <p>Introduction: Speaker: Hyunjung Lee, Senior Energy Economist, ADB</p> <p>Background: This session explores the potential of Public-Private Partnerships (PPPs) to transform PNG’s power sector by leveraging private sector expertise and investment to address critical infrastructure gaps. How can challenges such as low financial sustainability and weak creditworthiness of utilities and other offtakers be addressed? How were other countries able to benefit from consistent and strengthened regulatory oversight and how can standardized PPA frameworks serve as a tool for mitigating project risks, streamlining negotiations, and providing clarity on tariffs? What is the role of payment guarantees, including sovereign guarantee in lowering the risk and cost from the private sector? The session will also explore the role of competitive tender processes across the region and globally in lowering the cost of procuring power generation projects, fostering fair competition and attracting both domestic and international investment, and ultimately reducing the financial burden for government.</p> <p>1. <u>Improving regulations and guidelines for private sector participation in generation sector through standardizing the PPAs and identifying remaining challenges and plans from the regulator (15 minutes)</u></p> <p>The National Energy Authority (NEA) will address the critical role of standards and oversight for Power Purchase</p>	60

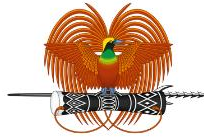


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	<p>Agreements (PPAs) to enhance transparency, efficiency, and introduce the remaining reform plans to increase investor confidence in Papua New Guinea's energy sector.</p> <p>Speaker: NEA MD Ronald Meketa</p> <p>2. <u>Global Insight:</u> ADB's Experiences in Asia and the Pacific and ingredients to unlock renewable potential in PNG – success stories and lessons learned (15 minutes)</p> <p>Speaker: Henri Devys, Market Advisory Specialist, ADB</p> <p>3. <u>Global Insight:</u> Overcoming challenges in renewable development – lessons from Southeast Asia and beyond (15 minutes)</p> <p>Speaker: Eric Shumway, Senior Director, Delphos</p> <p>4. <u>Interactive Q&A session</u> (10 minutes) Moderator: Hyunjung Lee, Senior Energy Economist, ADB</p>	
4:45 p.m.	<p>Session 6: A Deeper Dive into Global Success Stories</p> <p>Introduction: Speaker: Tika Limbu, Principal Energy Specialist, ADB</p> <p>Background: This interactive session invites participants to explore successful energy sector reforms from Asia and the Pacific including Indonesia, Nepal, Sri Lanka, and the Philippines. Through small-group discussions at rotating tables, participants will be able to dive deeper into themes such as tariff reform, renewable energy integration, competitive bidding processes, and public-private partnership models. Facilitated by regional experts, the session aims to uncover actionable insights from these countries' experiences, providing practical strategies and</p>	45



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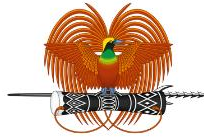
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	<p>lessons that can be tailored to Papua New Guinea's energy sector challenges.</p> <p>1. <u>Break-out sessions (Two rotations, 20 minutes):</u> Tables are organized by country for a deeper dive into country examples on themes introduced in the previous sessions:</p> <ul style="list-style-type: none"> ○ Nepal – rapid electrification (Dinesh Kumar Ghimire, Ex Secretary, Ministry of Energy, Nepal) ○ Indonesia – sector and investment planning (Syofvi Roekman, Director, Tetrattech, <i>formerly PLN</i>) ○ Philippines – Sector planning, privatization, and private sector participation (Antonio Barcelona, Division Chief, Department of Energy Philippines) ○ Sri Lanka – privatization and utility reforms (Rohan Seneviratne, <i>former CEO</i>, Ceylon Electricity Board) ○ Regional – tariff and regulatory reforms (Priyantha Wijayatunga, Senior Sector Director Energy, ADB) <p><i>Participants choose which two country/themes they are most interested in and engage in Q&A with country experts.</i></p>	
5:30 pm	<p>Wrap-up followed by reception and Forum dinner Summary and wrap-up Speaker: Keiju Mitsuhashi, Director Energy, ADB</p>	15
5:45 pm	<p>Closing Remarks Hon. John Rosso, Deputy Prime Minister</p>	15
6:00 pm	<p>Reception and informal engagement among stakeholders to discuss key takeaways from Day 1.</p> <p>Followed by dinner (<i>invited participants</i>)</p>	



Day 2: Closed-Door Session – Collaborative Policy Discussions

Participants: ADB, PM/DPM, GoPNG Ministers and PPL/KCH

Time (PGT)	Activities	Duration (Minutes)
8:30 am	Registration and coffee/tea	
9:00 am	<p>Welcome Remarks Said Zaidansyah (Country Director, ADB) welcomes the participants to Day 2</p> <p>Opening Remarks Priyantha Wijayatunga (Senior Sector Director Energy, ADB) Hon. William Duma (Minister of State Enterprises)</p> <p>Recap of Day 1 ADB provides a summary of Day 1 and outlines objectives for Day 2</p>	30
9:30 am	<p>Session 1: Sector Planning for Future Infrastructure Development, Attracting Private Sector, and Accelerating Electrification Rollout towards Low-Carbon Energy Transition</p> <p>Introduction of Sector Reform Action Plan by Peter Baum, Senior Energy Specialist, ADB</p> <ul style="list-style-type: none"> • Discussion of proposed solutions for Power Sector Masterplan and institutional setup • Discussion of ongoing initiatives and way forward for Electrification Rollout Plan and institutional setup • Discussion of potential approaches to develop new renewable generation capacity, lower generation cost and mobilize private capital and climate finance • Moderated discussion on further necessary actions and responsibilities 	60
10:30 am	Tea/Coffee Break	30
11:00 am	<p>Session 2: Financial Sustainability: Utility Reforms, Privatization, and Tariff Frameworks</p> <p>Introduction by Hyunjung Lee, Senior Energy Economist, ADB</p> <ul style="list-style-type: none"> • Discussion of proposed utility reform initiatives 	60



	<ul style="list-style-type: none"> • Discussion of potential privatization of utility functions • Discussion of proposed tariff regulation and implementation of a sustainable tariff and CSO framework • Moderated discussion of further necessary actions and responsibilities 	
12:00 pm	Lunch Break	60
1:00 pm	<p>Session 3: Actionable Roadmap for Reform</p> <p>Discussion: ADB and GoPNG discuss prioritization of reforms and the setting up of a working group mechanism convened by Government and ADB with quarterly timelines for implementation. A focus on one or two immediate actions and a follow-up mechanism (such as principle-level working group meetings and clearly defined milestone objectives to be achieved) are agreed.</p> <p>Moderated discussion structured in three parts, 20 minutes each (<i>discussion facilitated by ADB staff</i>)</p> <ul style="list-style-type: none"> • Monitoring and establishment of steering committee chaired by Chief Secretary • Finalization of Sector Reform Action Plan • Continued policy reforms and ongoing ADB support • Finalization of Forum Communique and agreement on final wording for public release 	60
2:00 pm	<p>Session 4: Wrap-Up, followed by reception</p> <p>Closing remarks from ADB and PNG government representatives</p> <p>Followed by high tea</p>	30