



Energy & Petroleum Regulatory Authority

TH ANNUAL RESEARCH & INNOVATION CONFERENCE 2025

THEME: ENERGY ACCESS



**3RD – 5TH
JUNE
2025**

**The Edge
Convention Centre,
Nairobi, Kenya**



PROGRAMME

EPRA Research & Innovation Conference

Theme: "Energy Access"
Date: 3rd – 5th June 2025
Location: The Edge Convention Centre, Nairobi, Kenya

PROGRAMME

Time	Activity
Day One, Tuesday, 3rd June 2025	
08:30 am	Arrival & Registration
09:30 am	Exhibition – Dignitaries Walk Hon. J. Opiyo Wandayi, EGH – Cabinet Secretary, Ministry of Energy & Petroleum Mr. Alex Wachira – Principal Secretary, State Department for Energy Mr. Mohamed Liban – Principal Secretary, State Department for Petroleum Mr. Daniel Kiptoo Bargoria MBS, OGW – Director General EPRA
09:45 am	National Anthem (MC)
09:50 am	Conference Objectives Dr. John M. Mutua – Director, Directorate of Economic Regulation and Strategy
10:00 am	Opening Ceremony (MC) <ul style="list-style-type: none"> Mr. Daniel Kiptoo Bargoria MBS, OGW – Director General EPRA Mr. Alex Wachira – Principal Secretary, State Department for Energy Mr. Mohamed Liban – Principal Secretary, State Department for Petroleum Hon. J. Opiyo Wandayi, EGH – Cabinet Secretary, Ministry of Energy & Petroleum
10:25 am	Panel 1 - Discussion "Charting Kenya's Path: Just Energy Transition & Universal Access Through Innovation" <ul style="list-style-type: none"> Mr. Daniel Kiptoo Bargoria MBS, OGW – Director General EPRA Dr. Grace Njeru – Energy Specialist, World Bank Mr. Jeff Murage – KFW Development Bank Mr. Brian Muriuki- MD & Country Chair Ghana-Shell Moderator: Ms. Jacqueline Waihenya – JWM Law LLP

11:30 am	Health Break
12:00 pm	<p><i>Session One – MC</i></p> <ul style="list-style-type: none"> • Analysis of Free Cooling Potential & Its Viability of Small Data Centers in Kenya (Mr. Eustace Muriithi Njeru – EPRA) • Petroleum Truck Accidents along the Kenyan Northern corridor (Mr. Hamid Mohammed & Mr. Hillary Mengich – EPRA) • Harnessing Renewable Energy for Sustainable Desalination (Ms. Atieno Ashley Wendy & Ms. Marcella Atieno Ouma – Graduate Engineers)
01:00 pm	Lunch Break
02:00 pm	<p><i>Session Two- MC: Ms. Stella Opakas - Deputy Director, Mid & Downstream Petroleum</i></p> <p>Panel 2 Discussion: “Rules that Empower: How Regulation Shapes a Resilient Energy Sector”</p> <ul style="list-style-type: none"> • Dr. John M. Mutua – Director, Directorate of Economic Regulation & Strategy EPRA • Prof. Izael Da Silva – Deputy Vice Chancellor – Research and Innovation, Strathmore University • Mohamed Ibrahim – Deputy Director General National Electricity Authority (NEA) Somalia • Dr. Geoffrey Okoboi – Director Economic Regulation, ERA – Uganda • Mr. Samson Ondiek – Manager, Kenya Green and Resilient Expansion for Energy Program (KPLC) <p>Moderator: Ms. Doris K. Mwirigi – MD/CEO Energy Solutions Africa (ESAL AFRICA)</p>
03:00 pm	Q&A
03:15 pm	<p>Panel Discussion: “Driving Investments in the Oil & Gas Sector”</p> <ul style="list-style-type: none"> • Eng. Edward Kinyua – Director, Directorate of Petroleum & Gas EPRA • Mr. Ken Mugambi – Group CEO, Trinity Energy Limited • Mr. Javade Chaudhri – Senior Advisor, ILI-South Africa Centre of Excellence Board <p>Moderator: Mr. Duncan Ndegwa – Deputy Director Regulatory Services EPRA</p>
03:45 pm	Q&A
04:00 pm	<p>Youth Panel Discussion “Empowering Youth: Cross-Application of Entrepreneurial and Professional Skills to Expand Energy Access”</p> <ul style="list-style-type: none"> • Mr. Paul Muhia (Founder & CEO, RayNow Energy) • Ms. Norah Magero (Founder & CEO, DropAccess Limited) • Ms. Esther Githinji (Advocate of the High Court, Legal Analyst-EED Advisory) • Ms. Felicity Otieno (Human Resource Officer- KenGen) <p>Moderator: Isaac Chibole – Analyst EED Advisory</p>

04:45 pm	Q&A
05:00 pm	Health Break & Departure

Day Two, Wednesday, 4th June 2025

08:45 am	Arrival & Registration
	MC- Main Hall: Lee Okombe – Senior Research & Policy Analyst
09:00 am	Partnership Between Energy & Petroleum Regulatory Authority and the ILI-South African Centre for Excellence: Revolutionizing Energy Knowledge, Regulation & Leadership Across Africa Swithin Munyantwali, Vice Chairman and Co-Founder – ILI-South African Centre for Excellence
09:30 am	Sector Round Table <ul style="list-style-type: none"> • Dr. John M. Mutua – Director, Directorate of Economic Regulation & Strategy (EPRA) • Mr. Ken Mugambi – Group CEO Trinity Energy Limited • Dr. Rose Mkalama – Chief Executive Officer RREC • Dr. Churchill Saoko – Director Strathmore Energy Research Centre Moderator: Dr. Eldah Onsomu Ag. Executive Director KIPRA
10:30 am	Health Break
	MAIN HALL (Moderator: Eng. Joel Sutter – Regional Manager, North Western Region EPRA)
11:00 am	Composite Electricity Distribution Poles for Kenya: A Predictive Systematic and Meta-Analytic Review (Eng. Ephantus M. Kamweru & Dr. Francis Xavier Ochieng)
11:20 am	Factors Affecting Power Quality Across Counties (Mr. Morris Mbaluka)
12:00 pm	Q&A
11:40 am	Unlocking Grid Codes: Implications For Renewable Energy Integration in The African Sectors (Ms. Naniki L. Nzunza)
12:20 pm	Single Wire Earth Return System to Accelerate Access of Electricity in Underserved Areas (Dr. Eng. Charles Ndung'u & Eng. Stephen K Nguli)
12:40 pm	Q&A
	MC – Break Out Room: Jamaldin Luqman – Manager, Coal
11:00 am	Road to Universal Electricity Access Using Coal Integrated Gasification Combined Cycle Technology (Mr. Sammy Karapia)

11:20 am	Methane Emission Reduction in the Natural Gas Operations: Strategies for Effective Operation & Maintenance Practices to Enhance Environmental Sustainability (Eng. Emil Ndabila & Eng. Phineas Ademba)
11:40 am	Effect of Leadership on the Execution of Strategy in the Energy Sector Parastatals in Kenya (Mr. Kennedy Ogana)
12:00 pm	Q&A
01:00 pm	Lunch Break
	MAIN HALL MC: Mr. Lee Okombe – Senior Research & Policy Analyst
02:00 pm	Special Electricity Tariff for Telecommunications Network Providers in Kenya (Mr. Richard Kiplagat, Ms. Judy Muriuki & Mr. Tewodros Sile – Africa Practice)
02:20 pm	Watts Cooking? An Overview of the Ongoing Innovation Enabling Demand Stimulation Through Targeted Electricity Pricing for Cooking (Dr. Jon Leary, Mr. Elliot Avila, Mr. Jimmy Kyalo, Ms. Beryl Onjala, Mr. Samwel Naimasia, Ms. Monicah Gathuna & Mr. Syprose Ochieng)
02:40 pm	Panel Discussion 'Electricity Tariff Design: Striking a Balance Between Affordability and Accessibility' <ul style="list-style-type: none"> • Mr. Richard Kiplagat, Partner, Group Chief Commercial Officer and Managing Director for East Africa, Africa Practice • Dr. Jon Leary, Senior Researcher, Modern Energy Cooking Services (MECS) • Mr. Newton Munyolo, Manager, Pricing & Competition EPRA • Mr. John Ihuthia, Ag. General Manager, Power Planning and Purchase, KPLC • Mr. George Aluru, CEO – ESAK Moderator: Dr. Eng. Fenwicks S. Musonye – Deputy Director, Energy Efficiency
03:20 pm	Q&A
03:40 pm	Solar Water Heating Systems in Kenya Adopters & Their Experiences Prof. Samuel Muiyiwa, Prof. Augustine B. Makokha & Lucy J. Rono
04:00 pm	The Role of Innovative Technologies in Expanding Rural Energy: A Case of Kisumu County, Kenya. Ms. Caroline Odhiambo & Ms. Emily Ondieki – EPRA

04:20 pm	Q&A
	BREAK OUT ROOM MC - Ms. Ruth Rono, Senior Research & Policy Analyst
02:00 pm	Stakeholder Engagement & Implementation of Liquefied Petroleum Gas Importation Projects in Mombasa County, Kenya. (Mr. Fredrick Ojwando & Ms. Scolastica Muasya)
02:20 pm	Assessment of Onshore Petroleum Incidences Preparedness in Kenya (Mr. Chacha Paul Jackson)
02:40 pm	Analysis of the Rejection Rate of ESIA Reports for Petroleum Dispensing Stations in Kenya (Mr. Clement Nadio)
03:00 pm	Q&A
03:20 pm	Breaking Barriers to LPG Adoption in East Africa: A Review of Technological Solutions for Safety, Affordability, and Availability (Mr. Mbarouk Shaame)
03:40 pm	Promoting Public-Private Partnerships in Energy Distribution in Tanzania: A Case of Natural Gas Distribution Infrastructure (Mr. Daniel C Rukonua)
04:00 pm	Q&A
04:40 pm	Health Break & Departure

Day Three, Thursday, 5th June 2025

08:45 am	Arrival & Registration
	MC: Mr. Duncan Ndegwa - Deputy Director, Regulatory Services
09:00 am	Analyzing Kenya's Electricity Sector Financing: Vision 2030. (Brian Nyaware)
09:30 am	Panel Discussion "Building the Backbone: Innovative Financing for Energy Infrastructure" <ul style="list-style-type: none"> Mr. Alemayehu Wubeshet Zegaye – African Development Bank Ms. Zilper Abong'o – General Manager, Strategy KPC Ms. Christine Ng'ang'a – Director, Origination & Structuring PPP Directorate, The National Treasury

	<ul style="list-style-type: none"> Ms. Sylvia Kithinji- Associate General Counsel, Africa, The Nature Conservancy CS Ibrahim Kitoo- Corporation Secretary & Director Legal Services, EPRA <p>Moderator: Mr. Robert Mahenia</p>
11:00 am	<p>Green Hydrogen futures in LIMCs: Opportunities for Fertilizer & Steel Production in Kenya (Pietro Lubelo, Joshua Oduor, Anne Ng'ang'a, Michelle Akute, Kihara Mungai, Steve Pye)</p>
11:20 am	<p>Panel Discussion</p> <p>"From Innovation to Impact: Technology as a Catalyst for Energy Inclusion"</p> <ul style="list-style-type: none"> Ms Aisha Abdulaziz – The World Bank Ms. Sandra Banda – GiZ Dr. Faith Odongo – State Department for Energy Ms. Martha Kamau – KPLC Ms. Beatrice Musyoka – KENGEN <p>Moderator: Eng. Fred Ishugah – REREC</p>
12:30 pm	<p>Panel Discussion</p> <p>"Putting People at the Heart of Sustainable Energy"</p> <ul style="list-style-type: none"> Dr. Fredrick O. Otieno – Deputy Director, Consumer Protection Ms. Gloria Sebikari – Petroleum Authority Uganda Ms. Anne Kiburi – Senior Energy Specialist, SE4All Ms. Jackline Kineu – Christian Aid Mr. Dennis Nderitu – Global Energy Alliance for People and Planet (GEAPP) <p>Moderator: Ms. Letitia Ouko, Deputy Director, Corporate Communications, EPRA</p>
01:30 pm	<p>Closing Remarks – Dr. John Mutua, Director-Directorate of Economic Regulation &</p> <p>Vote of Thanks – Dr. Jeremiah Obingo, Board Director EPRA</p>
02:00 pm	Lunch Break & Departure



Energy & Petroleum Regulatory Authority



6TH ANNUAL RESEARCH & INNOVATION CONFERENCE 2025

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