

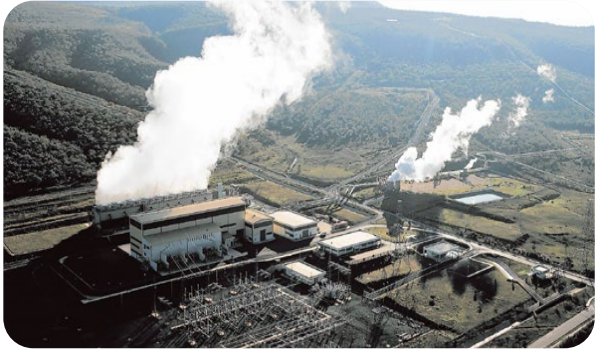


International Partnership
for Hydrogen and Fuel Cells
in the Economy

Kenya Update

45th IPHE Steering Committee Meeting
13 – 14 May 2026
Berlin, Germany

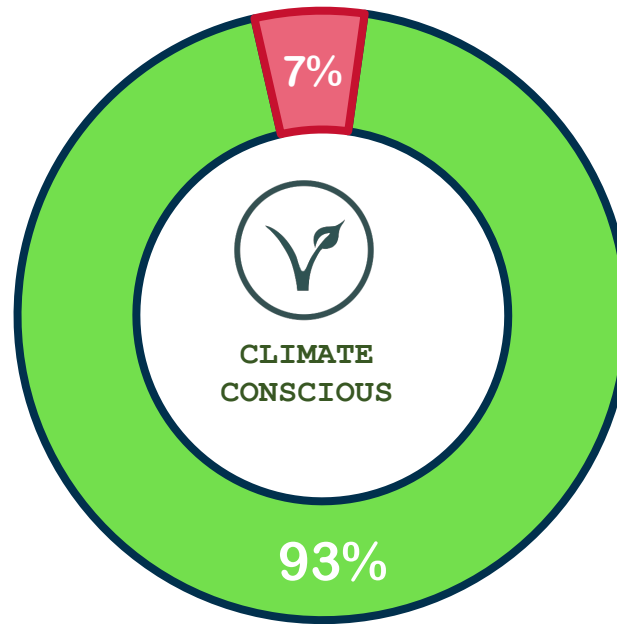
Electricity Generation in Kenya



49% GEOTHERMAL



30% HYDRO



Kenya's Grid is GREEN

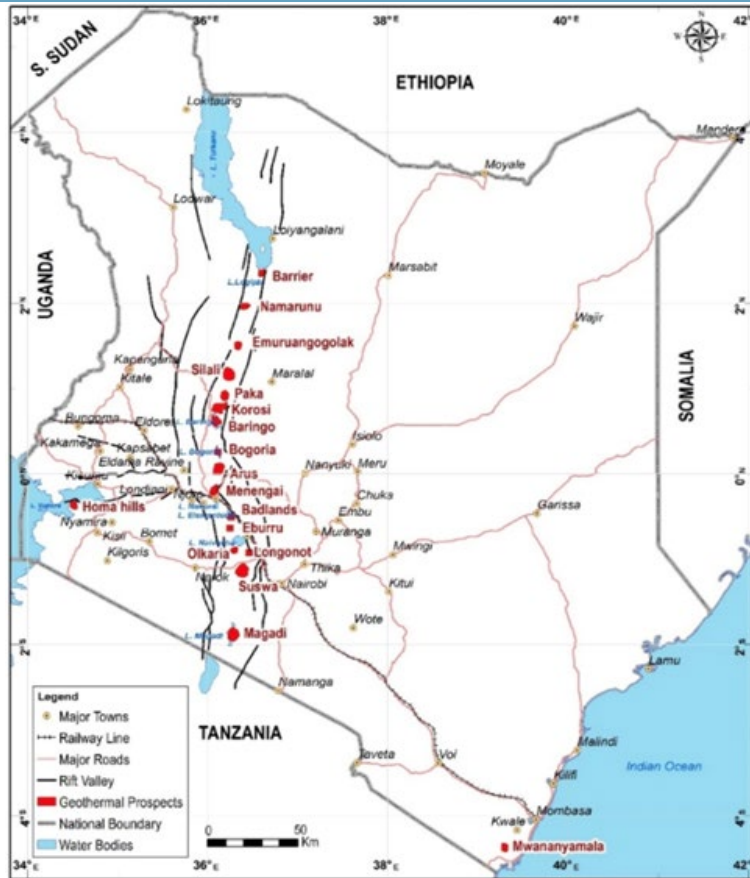


2% SOLAR & IMPORT

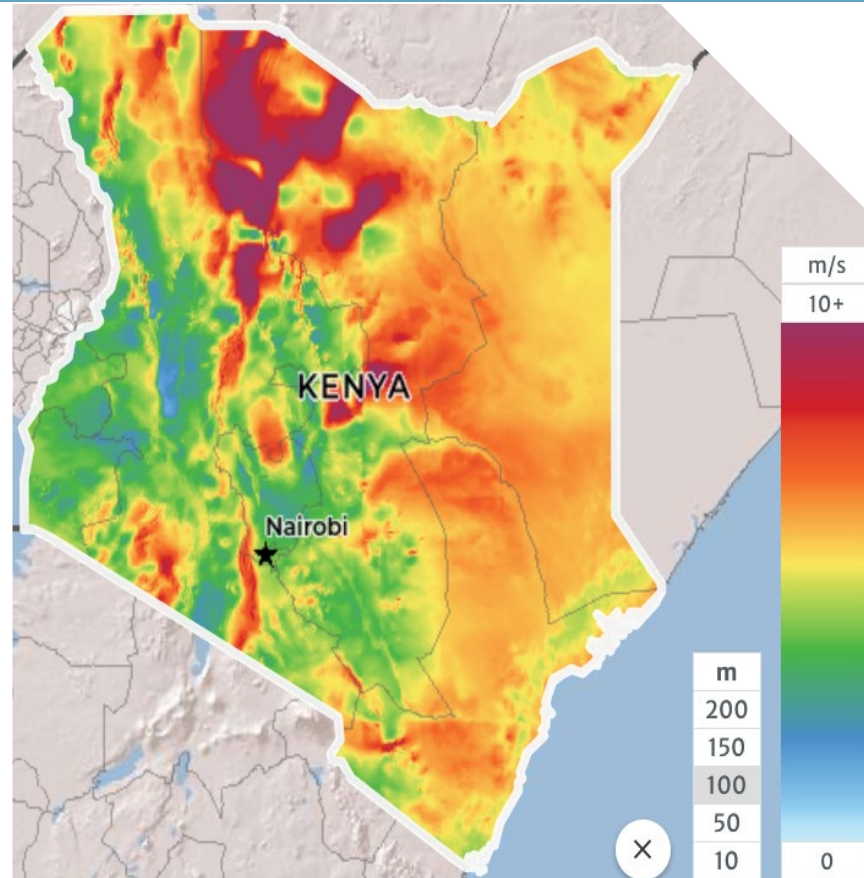


12% WIND

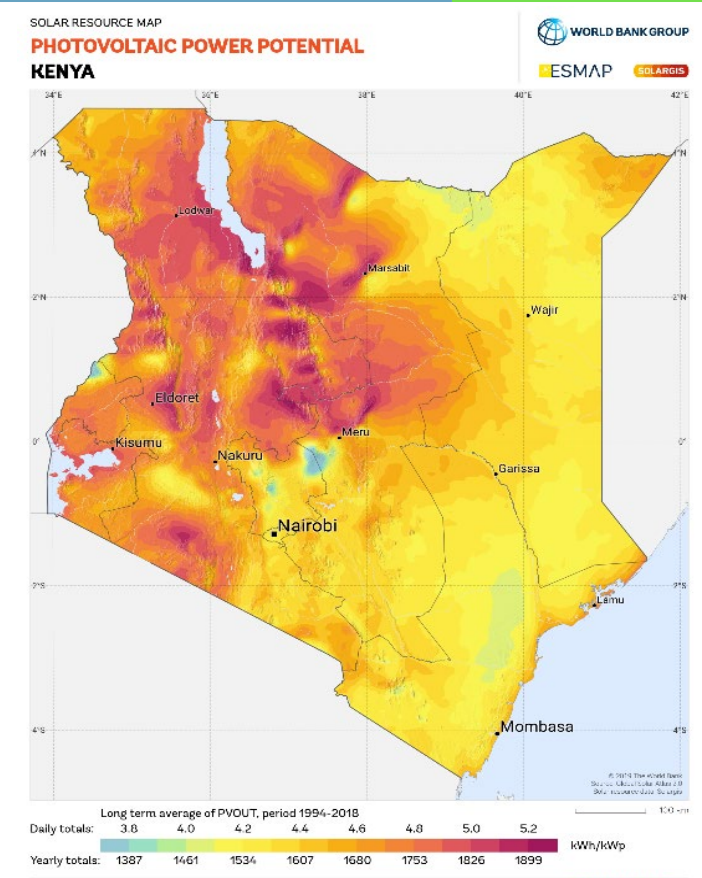
Renewable Energy Potential



Geothermal potential of 10 GWe.

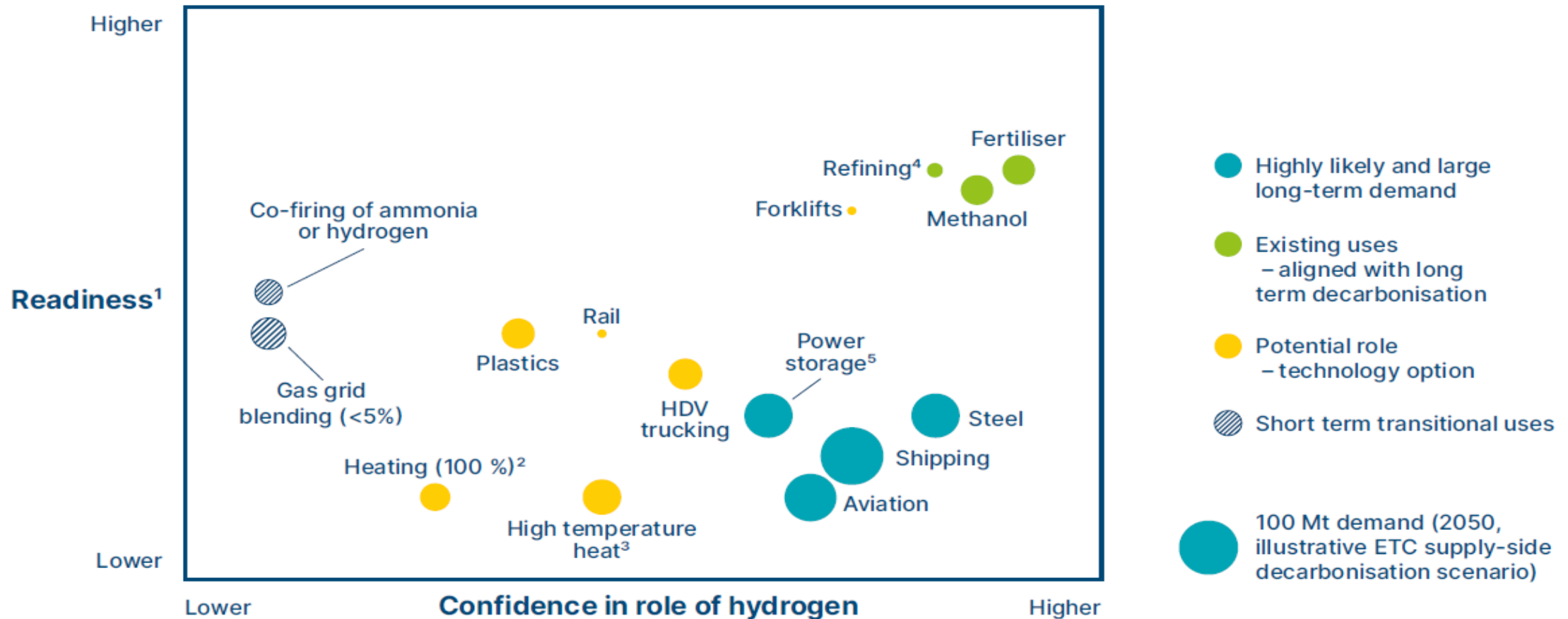


**Significant wind potential that can reach 140 GW
High Capacity Factor (lake Turkana ≈60%).**



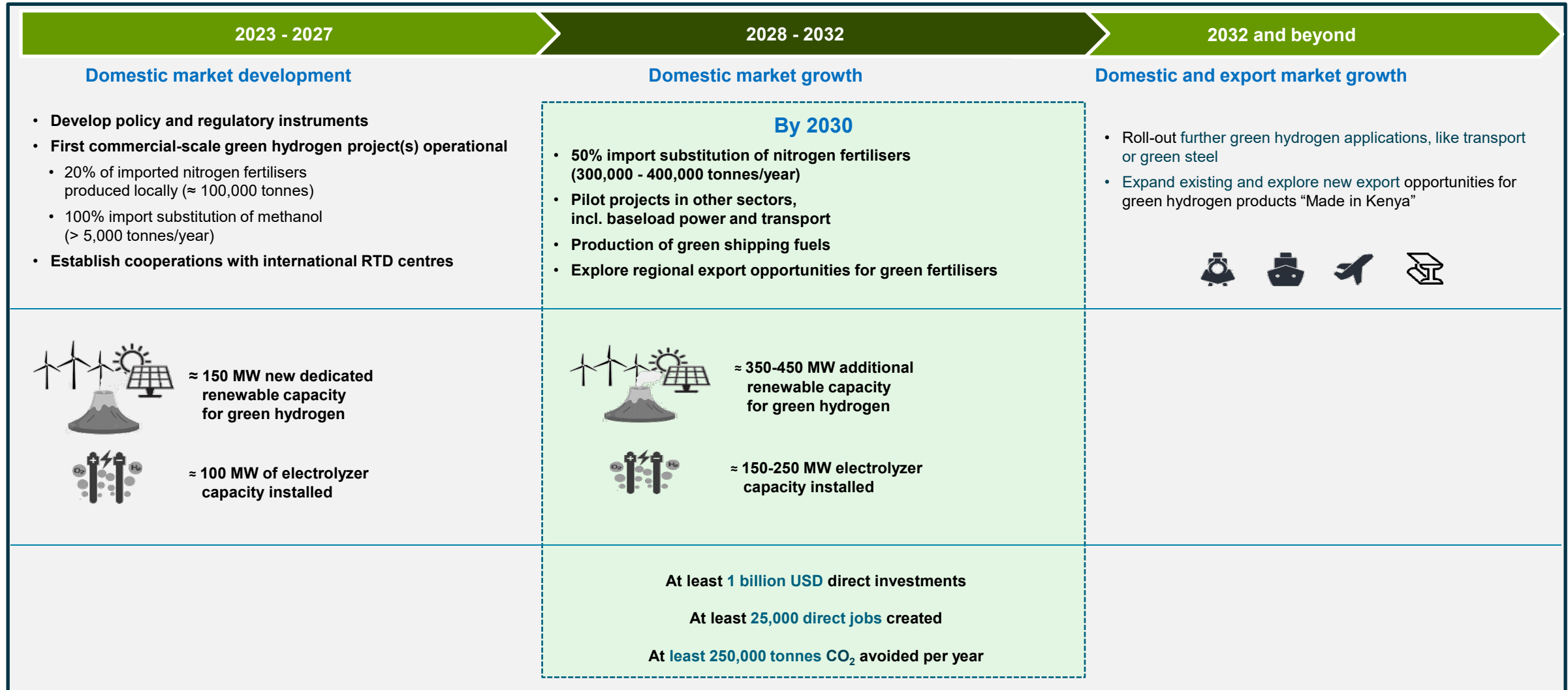
Solar yield that can reach 1,700-1,800 kWh/kWp

Potential Green Hydrogen use cases



NOTES: ¹ Readiness refers to a combined metric of technical readiness for clean hydrogen use, economic competitiveness and ease of sector to use clean hydrogen. ² 'Heating (100%)' refers to building heating with hydrogen boilers via hydrogen distribution grid, ³ 'High temperature heat' refers to industrial heat processes above ca. 800°C ⁴ Current hydrogen use in refining industry is higher due to greater oil consumption. ⁵ Long-term energy storage for the power system.

Potential Green Hydrogen use cases



Announcements / New Initiatives *KENYA*

- **Investments/Funding/Policies/Initiatives:**

- Review of the Green Hydrogen Strategy and roadmap
- COMESA approved a regional Green Hydrogen Roadmap and Action Plan in April 2026, including plans to establish a regional Centre of Excellence on Green Hydrogen to drive skills development, innovation, and technology deployment.

- **New Research & Development, Demonstration and/or Deployment Activities:**

- KENGEN partnership with state of Bavaria to put up a demonstration lab in Kenya

- **Key Collaborations**

- Kenya and Germany through GIZ have a long standing agreement to support the development of green hydrogen in Kenya through several programs.

Examples of Lessons Learned and Impact **KENYA**

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
Green Hydrogen and its Derivatives Guidelines	- Defining the sustainability criteria - Streamlining the approval process - Promote safety in production and handling of GH2 and its derivatives - Create employment opportunities - Providing a monitoring framework for GH2 projects in the country
Established a high-level “green hydrogen program coordination committee and secretariat	Operate as a “one-stop-shop” for approval of Green Hydrogen Projects
National Energy Policy 2025	Include Green Hydrogen development

Status of Deployments

Kenya is at the **advanced early-stage** green hydrogen **project development** for **fertilizer, industry, and export** markets.

Leading Government Initiatives

- Kenya aims to achieve near-100% renewable electricity generation including geothermal
- Expand **regional and international** cooperation and partnerships on green hydrogen

Goals or Focus Areas

- Establish **local and international partnerships** to scale up **training and capacity building**.
- Promote **green industrialization** using low-cost renewable energy and **green hydrogen**.
- Position Kenya as a **regional clean energy and green hydrogen hub**.

Deployment Goals

- Scale **commercial green hydrogen production** before 2030
- **Secretariat** evaluated and approved **12 Projects**, with a combined value of **over 5 GWe**.

Funding

- Develop a green hydrogen strategy and **roadmap resource mobilization plan**
 - **Germany** committed support for a **100 MW green hydrogen plant**
 - **Green Climate Fund** approved funds for climate and clean energy programs.

Thank you



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