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# U.S. – East Africa Geothermal Partnership (EAGP)

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**November 3, 2016**  
**ARGeo C-6 African Rift Geothermal Conference**  
**Addis Ababa, Ethiopia**



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## U.S. – East Africa Geothermal Partnership

- Public – Private Partnership between USAID/Power Africa, Geothermal Energy Association and U.S. Energy Association
- Launched in September 2012, funded through September 2017
- Goal: to build capacity and accelerate geothermal development in East Africa with a priority focus on Kenya, Ethiopia and Djibouti

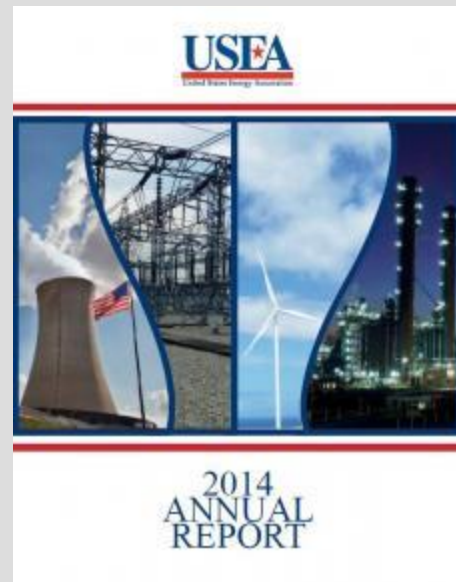


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## About USEA

- Nonprofit NGO founded in 1924
- Over 160 members from across the US energy sector
- Partnerships with USDOE, USAID, USTDA, State Department
- Mission: “To promote the sustainable supply and use of energy for the greatest benefit of all.”





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## About WEC

- Founded in 1923 as the world's principal network of energy leaders and practitioners
- UN-accredited global energy body, representing 3000 members from 94 countries

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# Energy Growth Opportunities for Africa

- Underserved Demand:
  - ~600M people in sub-Saharan Africa lack access to electricity
  - Generation capacity comparison (MW per 1M people):
    - USA: 3,360
    - Sub-Saharan Africa: 91
- High Tariffs
  - Average LCOE in sub-Saharan Africa: \$0.13 *(World Bank, 2013)*
- Growing Market:
  - 6 of the 10 fastest growing economies are in sub-Saharan Africa



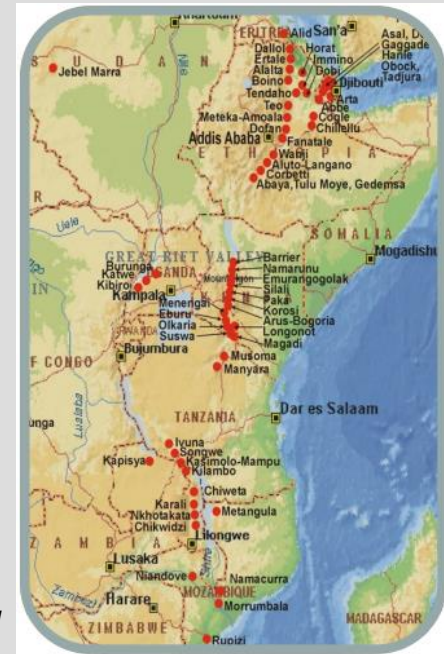
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# Geothermal Development in Africa

- East African Rift geothermal potential exceeds 15,000 MWs
- Exploration has been ongoing in many countries for over 30 years
- < 1000 MW installed

Source: Renewable Energy World





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## Geothermal Risk Mitigation

- Partnering with regional and global stakeholders to carry out a study and pilot program to mitigate development risk
  - AfDB, IADB, World Bank, State Department, AUC, USAID, USDOE, IRENA, UNEP/ARGeo
  - Study will be conducted from November 2016 – January 2017 with input from stakeholders
  - Goal is to facilitate projects' progression through exploration drilling



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## Building an Enabling Environment

- Accelerating growth by strengthening local institutions and legal frameworks
  - Partners include IFC / DFID / AUC / UNEP-ARGeo
  - Ethiopia Geothermal Proclamation
  - Supporting national and corporate geothermal data management reforms in Djibouti, Ethiopia and Kenya
  - MoU and twinning programs for KenGen
  - Reservoir Modeling partnership with LBNL
  - Environmental and Community Relations Management partnership
  - On-the-job drilling training for ODDEG (Djibouti)





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## Get Involved

- Visit [www.USEA.org/EAGP](http://www.USEA.org/EAGP)
- Follow **@USEnergyAssn** on Twitter
- Contact local USAID/Power Africa representatives



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# THANK YOU

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Asante Sana

Pakka pér

Mauruuru Koe

Merci

Спасибо

谢谢

Teşekkür Ederim

Mahalo

Obrigado

Gracias

Gracie

Danke

ありがとうございました