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

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November 3, 2016
ARGeo C-6 African Rift Geothermal Conference
Addis Ababa, Ethiopia
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
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.”
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
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
    
    Source: Power Africa (2015)

• 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

Source: International Trade Administration (2015)
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
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
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)
Get Involved

• Visit [www.USEA.org/EAGP](http://www.USEA.org/EAGP)
• Follow [@USEnergyAssn](https://twitter.com/USEnergyAssn) on Twitter
• Contact local USAID/Power Africa representatives
THANK YOU

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 Palesta ḏér
Mauruuru Koe
Merci
Спасибо
Teşekkür Ederim
Obrigado
Gracias
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