



# The Power Africa TOOLKIT

## The Tools & Resources to Unlock the Power of sub-Saharan Africa

Power Africa, launched in June 2013 by President Obama, employs a transaction and partnership driven model, focused on removing the barriers to power project development across sub-Saharan Africa.

### POWER AFRICA'S TOOLKIT APPROACH

Using a “toolkit” approach – Power Africa offers the combined technical resources of 12 U.S. government agencies, the World Bank Group, the African Development Bank, the Government of Sweden, our partner African governments, and many other Power Africa public and private sector partners.

Power Africa also provides technical assistance and transactional support through the regional and country focused Power Africa Transactions and Reforms Program (PATRP). Through this program, Transaction Advisors located in regions and countries across sub-Saharan Africa, assist in removing obstacles and moving power sector energy investments that demonstrate commercial, financial, technical, and social viability to financial close by facilitating access to the full range of Power Africa's tools.

### IMPORTANT TOOLKIT ACRONYMS

- AfDB – African Development Bank
- BTG – Beyond the Grid (Power Africa's sub-initiative focused on off-grid and small-scale energy solutions)
- DFID – U.K. Department for International Development
- DOE – U.S. Department of Energy
- Ex-Im – Export-Import Bank of the United States
- MCC – Millennium Challenge Corporation
- OPIC – Overseas Private Investment Corporation
- USADF – U.S. African Development Foundation
- USAID – U.S. Agency for International Development
- USTDA – U.S. Trade and Development Agency

### INSIDE THIS TOOLKIT

Included inside this publication are the range of resources and tools available through Power Africa.

Power Africa assists stakeholders through a range of “tools” falling into six major categories:

EARLY STAGE TRANSACTIONSUPPORT

FINANCE

POLICY / REGULATORY DESIGN & REFORM

CAPACITY BUILDING

LEGAL ASSISTANCE

INFORMATIONAL RESOURCES

Visit [www.usaid.gov/powerafrica](http://www.usaid.gov/powerafrica) or email: [powerafrica@usaid.gov](mailto:powerafrica@usaid.gov) for more information.

## EARLY STAGE TRANSACTION SUPPORT

Mechanism	Agency/ Org.	Tool Description	Who is it For?	Eligibility Requirements	Where Can the Project be Located?	Can be Deployed for BTG
<a href="#">U.S.-Africa Clean Energy Finance (ACEF)</a>	OPIC USAID U.S. Department of State USTDA	Project preparation support for early-stage renewable energy projects	Project developers	<ul style="list-style-type: none"> <li>U.S. private sector involvement</li> <li>Commercially viable technology</li> <li>Environmentally sustainable</li> </ul>	Most countries in sub-Saharan Africa (SSA)	<input checked="" type="checkbox"/>
<a href="#">Development Innovation Ventures (DIV)</a>	USAID	Grant competition for innovative, transformative development solutions	Organizations, individuals, non-profit & for-profit entities	Must articulate plans for growth, sustainability, & impact	Any country where USAID operates	<input checked="" type="checkbox"/>
<a href="#">Geothermal Risk Mitigation Facility</a>	African Union Commission	Grant support for: [1] Surface studies [2] Drilling & testing reservoir confirmation wells	Developers seeking to mitigate exploration & drilling risk	Does not support general activities (e.g. reconnaissance, university research, mitigation of political or legal risks, or general overhead)	Ethiopia, Kenya, Rwanda, Tanzania, Uganda, Burundi, Comoros, Djibouti, DRC, Eritrea, Zambia	<input checked="" type="checkbox"/>
<a href="#">MCC Grants</a>	MCC	Grant funding for feasibility studies & engineering designs	Host-country governments	Host-country must be eligible for MCC Compact	MCC Partner Countries	<input checked="" type="checkbox"/>
<a href="#">Off-Grid Energy Challenge</a>	USADF USAID	Grant funding for off-grid renewable energy solutions that power local economic activities	African-owned & operated enterprises, associations, or organizations	<ul style="list-style-type: none"> <li>Applicants may develop their own technology and/or technology developed elsewhere</li> <li>Must develop or scale-up use of proven technologies</li> <li>Must benefit underserved populations</li> </ul>	Select SSA countries	<input checked="" type="checkbox"/>
<a href="#">Sustainable Energy Fund for Africa (SEFA) - Window I</a>	AfDB USAID	Project preparation grants for small-to – medium scale renewable energy & energy efficiency projects	Project developers or investors	<ul style="list-style-type: none"> <li>Beneficiaries provide at least 30% of pre-investment costs</li> <li>Support available only up to financial close</li> </ul>	<a href="#">Any AfDB Regional Member Country</a>	<input checked="" type="checkbox"/>
<a href="#">USTDA Grants</a>	USTDA	Grant support for feasibility studies & other project planning activities	Project developers, sponsors or government ministries	<ul style="list-style-type: none"> <li>Potential for U.S. exports</li> <li>Commercially viable technology</li> <li>Supports sustainability &amp; development</li> <li>Likely to receive implementation financing</li> </ul>	Any SSA country	<input checked="" type="checkbox"/>
		Grant support for pilot projects	Project developers, sponsors, or government ministries in conjunction with U.S. technology providers	<ul style="list-style-type: none"> <li>Potential for U.S. exports</li> <li>U.S. technology provider must be willing to cost share</li> <li>Commercially viable technology</li> <li>Environmentally sustainable &amp; economically developmental</li> </ul>	Any SSA country	<input checked="" type="checkbox"/>

## FINANCE

Mechanism	Agency/ Org.	Tool Description	Who is it For?	Eligibility Requirements	Where Can the Project be Located?	Can be Deployed for BTG
<a href="#">Africa Renewable Energy Fund (AREF)</a>	AfDB SEFA	Equity investments for small-to-medium renewable energy projects	Project developers	Grid-connected RE (excluding large hydro) Maximum financing US\$ 100 million	<a href="#">Any AfDB Regional Member Country</a>	<input checked="" type="checkbox"/>
<a href="#">Development Credit Authority (DCA)</a>	USAID	Partial-credit guarantees to mobilize commercial debt capital	Project developers or sponsors	<ul style="list-style-type: none"> <li>Financial institution &amp; borrower cannot be completely sovereign entities</li> <li>Only guarantees debt (not equity)</li> <li>Guarantee must provide "additionality"</li> </ul>	Anywhere USAID has a presence	<input checked="" type="checkbox"/>
<a href="#">Direct Loans</a>	Ex-Im	Long-term fixed rate financing to purchase U.S. capital equipment & services	Creditworthy international buyers	Project must be tied to U.S. exports	<a href="#">EXIM country limitation schedule</a>	<input checked="" type="checkbox"/>
<a href="#">Direct Loans &amp; Investment Guaranties</a>	OPIC IFC	Financing products for projects in countries where conventional lenders are reluctant	Project developers & investors	Meaningful U.S. ownership or involvement (e.g., minimum 25%)	<a href="#">OPIC eligible countries</a>	
<a href="#">Enterprise Expansion Grants</a>	USADF	Funding and capacity building for small-to-medium African enterprises to expand service to underserved communities	African energy entrepreneurs	<ul style="list-style-type: none"> <li>Organization must be 100% African-owned &amp; managed</li> <li>Legally recognized African entity</li> </ul>	Many SSA countries	<input checked="" type="checkbox"/>
<a href="#">Equity &amp; Private Equity Investments</a>	AfDB	Direct equity investments	Private companies, project developers, investors, & private equity funds	<ul style="list-style-type: none"> <li>Private or publicly-owned entities</li> <li>Entity must be registered in SSA.</li> </ul>	<a href="#">Any AfDB Regional Member Country</a>	<input checked="" type="checkbox"/>
<a href="#">Fixed or Floating Rate Loans, guaranteed by EXIM</a>	Ex-Im	Loan guarantees to purchase U.S. capital equipment & services	Financiers of foreign buyers	Project must be tied to U.S. exports	<a href="#">EXIM country limitation schedule</a>	
<a href="#">Partial Risk &amp; Partial Credit Guarantees Political Risk Insurance</a>	AfDB OPIC World Bank	Partial risk & credit guarantees	Project developers, investors, private equity funds, & host-governments	<ul style="list-style-type: none"> <li>Private sector investor or state-owned enterprise</li> <li>Borrowing entity must be registered in SSA</li> </ul>	Any AfDB Regional Member Country	
		Coverage to mitigate political risk	Developers, lenders, contractors, & exporters	Significant U.S. ownership or involvement	<a href="#">OPIC eligible countries</a>	
<a href="#">Senior and Subordinated Loans</a>	AfDB	Loans to cover up to 1/3 of total project costs	Project developers, investors, or public sector tenders	<ul style="list-style-type: none"> <li>Private sector investor or state-owned enterprise</li> <li>Borrowing entity must be registered in SSA</li> </ul>	<a href="#">Any AfDB Regional Member Country</a>	
<a href="#">Short Term Insurance of Foreign Receivables</a>	Ex-Im	Export credit insurance to cover commercial & certain political risks	U.S. Exporters	Eligible receivables & creditworthy foreign buyers	<a href="#">EXIM country limitation schedule</a>	<input checked="" type="checkbox"/>

## POLICY / REGULATORY DESIGN & REFORM

Mechanism	Agency/ Org.	Tool Description	Who is it For?	Eligibility Requirements	Where Can the Project be Located?	Can be Deployed for BTG
<a href="#">Clean Energy Ministerial Clean Energy Solutions Center (CESC)</a>	DOE	Energy sector policy analysis & resources	Government ministries, policymakers, etc.	Free of charge & openly available	All SSA Countries	<input checked="" type="checkbox"/>
		Webinars on policy design, best practices, & lessons-learned	Government ministries, policymakers, etc.	Free of charge & openly available	All SSA Countries	<input checked="" type="checkbox"/>
		'Ask-an-Expert' service providing international expert assistance on clean energy issues	Government ministries, policymakers, etc.	Free of charge & openly available	All SSA Countries	<input checked="" type="checkbox"/>
<a href="#">Clean Energy Ministerial Global Lighting &amp; Energy Access Partnership (LEAP)</a>	DOE	- Outstanding Off-Grid Appliance Awards - Quality Assurance Framework for Minigrids	Clean energy and energy efficiency suppliers, consumers, policymakers, & other stakeholders	NA	NA	<input checked="" type="checkbox"/>
Delivery Units	USAID	Targeted support in developing intra-governmental working groups to resolve critical challenges	Host-country governments	NA	Deployed in specific SSA countries	<input checked="" type="checkbox"/>
<a href="#">East Africa Regional Regulatory Partnership</a>	USAID	Capacity building to assist energy regulators in East Africa on regional electricity trade	National energy regulators in the Eastern Africa Power Pool (EAPP) & the Independent Regulatory Body of the EAPP	NA	East Africa (Ethiopia, Kenya, Tanzania, Uganda, Burundi, Rwanda)	<input checked="" type="checkbox"/>
<a href="#">Enhancing Sustainable Utility Regulation</a>	USAID	Peer-to-peer exchange programs for regulators to discuss challenges & share best practices	Host-country regulators or associations of regulators	Available for buy-in by USAID operating units.	Anywhere USAID has a presence	<input checked="" type="checkbox"/>
<a href="#">SEFA - Window III (Enabling Environment Grants)</a>	AfDB	Grant support for mainly public sector activities that facilitate private sector investment in sustainable energy	Implementers of public sector activities	<ul style="list-style-type: none"> <li>No project size limit</li> <li>Can include off-grid, mini-grid, and grid-connected interventions</li> </ul>	<a href="#">Any AfDB Regional Member Country</a>	<input checked="" type="checkbox"/>
Senior Advisors Group	USAID	High-level strategic assistance & advice from global experts & leaders	Host-country government officials	NA	Deployed in specific SSA countries	<input checked="" type="checkbox"/>
Transaction Advisors	USAID	Expert assistance in advancing power transactions	Government ministries, project developers, investors, stakeholders, etc.	NA	Deployed in specific SSA countries	<input checked="" type="checkbox"/>

## CAPACITY BUILDING

Mechanism	Agency/ Org.	Tool Description	Who is it For?	Eligibility Requirements	Where Can the Project be Located?	Can be Deployed for BTG
US-East Africa Geothermal Partnership (EAGP)	USAID	Technical assistance to support U.S.-East African cooperation in geothermal development	<ul style="list-style-type: none"> <li>U.S. geothermal companies &amp; suppliers</li> <li>Policy makers, developers, investors</li> </ul>	NA	Ethiopia, Kenya, Djibouti, Rwanda, Tanzania, Uganda	
Energy Efficiency for Clean Development Program (EECDP)	USAID	Activities (e.g. assessments, program design, baseline analyses, pilot programs, & capacity building) to increase energy efficiency	Project developers, host-country governments, & other stakeholders	Available for buy-in by USAID operating units.	Anywhere USAID has a presence.	<input checked="" type="checkbox"/>
Energy Sector Technical Leadership	USAID	Workshops, training programs, on-line courses, & study tours to prepare a new generation energy professionals	Host-country governments & emerging energy professionals	Available for buy-in by USAID operating units.	Anywhere USAID has a presence.	<input checked="" type="checkbox"/>
<a href="#">Energy Utility Partnership Program</a>	USAID	Executive exchanges between U.S. & developing country utilities to share best practices	Host-government utilities	Available for buy-in by USAID operating units.	Anywhere USAID has a presence	<input checked="" type="checkbox"/>
<a href="#">Fund for African Private Sector Assistance (FAPA)</a>	AfDB	Grants/Co-financing for capacity building, advisory services, & project development activities	Private sector investors, concession tendering entities, project developers	NA	<a href="#">Any AfDB Regional Member Country</a>	<input checked="" type="checkbox"/>
<a href="#">Global Procurement Initiative (GPI)</a>	USTDA	Training & technical assistance to integrate best value & life-cycle cost analysis in public procurement processes	Public procurement agencies, procurement staff from Ministries, & State-Owned Enterprises	Partner governments must show: <ul style="list-style-type: none"> <li>Commitment to integrating best-value determinations in tenders</li> <li>Openness to fair &amp; transparent international competition</li> <li>Dedication to long-term professionalization</li> </ul>	Any SSA country	
Increasing Adoption of Renewable Energy	USAID	Technical assistance & activities to promote & establish an expanded supply of renewable energy systems	Project developers, host-country governments, & other stakeholders	Available for buy-in by USAID operating units.	Anywhere USAID has a presence.	<input checked="" type="checkbox"/>
<a href="#">International Business Partnership Program</a>	USTDA	<ul style="list-style-type: none"> <li>Reverse trade missions to the U.S.</li> <li>Conferences, trainings, &amp; workshops</li> </ul>	<ul style="list-style-type: none"> <li>International buyers</li> <li>U.S. manufacturers &amp; service providers</li> </ul>	Expected procurements must have potential to include U.S. goods or services.	Any SSA country	<input checked="" type="checkbox"/>
<a href="#">MCC Grant</a>	MCC	Grant funding for institutional capacity building & technical assistance	Host-country governments	Host-country must be eligible for MCC Compact	MCC Partner Countries	<input checked="" type="checkbox"/>

## CAPACITY BUILDING (cont.)

Mechanism	Agency/ Org.	Tool Description	Who is it For?	Eligibility Requirements	Where Can the Project be Located?	Can be Deployed for BTG
Renewable Energy Microfinance & Microenterprise Program (REMMP)	USAID	Technical assistance & activities to increase access to clean energy services & products	Project developers & investors, host-country governments, & other stakeholders	Program focuses on household & community-scale renewable technologies such as solar home systems, fuel-efficient cook stoves & micro-grids.  Available for buy-in by USAID operating units.	Anywhere USAID has a presence.	<input checked="" type="checkbox"/>
Utility Training Programs	USAID	Capacity building & training	African utilities & policymakers	NA	Any SSA country	<input type="checkbox"/>
Vocational Training & Education for Clean Energy (VOCTEC)	USAID	Curricula & training on the installation, operation and maintenance of off-grid renewable energy systems.	Host-country stakeholders	Available for buy-in by USAID operating units.	Anywhere USAID has a presence.	<input checked="" type="checkbox"/>

## LEGAL ASSISTANCE

<a href="#">African Legal Support Facility (ALSF)</a>	AfDB	Support to strengthen legal expertise & capacity	Utilities, government ministries	NA	Any SSA country	<input checked="" type="checkbox"/>
<a href="#">Commercial Law Development Program (CLDP)</a>	U.S. Department of Commerce	Support to strengthen legal expertise & capacity	Utilities, government ministries	NA	Any SSA country	<input checked="" type="checkbox"/>

## INFORMATIONAL RESOURCES

<a href="#">Climatescope</a>	Bloomberg New Energy Finance  USAID	Assessment of enabling environment, clean energy investment trends, & outlook	Project developers, investors, policymakers, government ministries, researchers, etc.	Free of charge & openly available	Many SSA countries	<input checked="" type="checkbox"/>
<a href="#">Readiness for Investment in Sustainable Energy (RISE)</a>	World Bank	Assessment of enabling environment, clean energy investment trends, & outlook	Project developers, investors, policymakers, government ministries, researchers, etc.	Free of charge & openly available	SSA countries covered to date: Ethiopia, Kenya, Liberia, Mali, Tanzania	<input checked="" type="checkbox"/>