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GREEN POWER FOR AFRICA: OVERCOMING THE MAIN CONSTRAINTS

Editors Ana Pueyo and
Simon Bawakyillenuo



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Glossary

ACEP	Africa Centre for Energy Policy [Ghana]
AEECT	Applied Electrical Engineering and Computing Technologies
AEG	Allgemeine Elektrizitäts-Gesellschaft [General Electricity Company, Germany]
AFD	French Development Agency
AfDB	African Development Bank [Côte D'Ivoire]
AGI	Association of Ghana Industries
AICD	Africa Infrastructure Country Diagnostic
ANC	African National Congress [South Africa]
APEC	Asia–Pacific Economic Cooperation [Singapore]
AURES	Auctions for Renewable Energy Support [Denmark]
BMZ	Bundesministerium für wirtschaftliche Zusammenarbeit [Federal Ministry for Economic Cooperation and Development, Germany]
BNEF	Bloomberg New Energy Finance [USA]
BSM	benefit-sharing mechanism
CAFOD	Catholic Agency for Overseas Development [UK]
CGE	Computable General Equilibrium
COFEK	Consumer Federation of Kenya
CPI	consumer prices index
CSIC	Consejo Superior de Investigaciones Científicas [National Research Council of Spain]
CSIR	Council for Scientific and Industrial Research [South Africa]
CSP	concentrated solar power
C-SIREA	Capacity for a Successful Implementation of the Renewable Energy Act in Ghana
DANIDA	Danish International Development Agency
DEFRA	Department for Environment, Food & Rural Affairs [UK]
DFID	Department for International Development [UK]
DG DEVCO	European Commission International Cooperation and Development [Belgium]
DME	Department of Minerals and Energy [South Africa]
DoE	Department of Energy [South Africa]
DTI	Department for Trade and Industry [South Africa]
EAPP	East Africa Power Pool [Kenya]
EBRD	European Bank for Reconstruction and Development [UK]
ECG	Electricity Corporation of Ghana
ECOWAS	Economic Community of West African States [Nigeria]
ECREEE	ECOWAS Centre for Renewable Energy and Energy Efficiency [Cape Verde]

EENS	expected energy not served
EIB	European Investment Bank [Luxembourg]
EMPD	Energy Management and Power Delivery
EnCG	Energy Commission of Ghana
EPC	engineering, procurement, and construction
EPSRC	Engineering and Physical Sciences Research Council [UK]
ERA	Electricity Regulatory Authority [Uganda]
ERC	Energy Regulatory Commission [Kenya]
EUEI PDF	European Union Energy Initiative Partnership Dialogue Facility [Germany]
EWURA	Energy and Water Utilities Regulatory Authority [Tanzania]
EY	Ernst & Young
fFIP	fixed feed-in premium
FIP	feed-in premium
FIT/FiT	feed-in tariff
FPIC	free, prior, and informed consent
GAA	generation adequacy assessment
GAMS	General Algebraic Modelling System
GCRA	Gold Coast Railway Administration [Ghana]
GDC	Geothermal Development Corporation [Kenya]
GDP	gross domestic product
GFPPM	the GET FiT Premium Payment Mechanism
GGDA	Green Growth Diagnostics for Africa [UK]
gGmbH	gemeinnützige GmbH [limited non-profit company]
GGPS	Ghana Generation Planning Study
GHG	greenhouse gas
GII	Ghana Integrity Initiative
GIPC	Ghana Investment Promotion Council
GIS	Geographic Information Systems
GIZ	Gesellschaft für Internationale Zusammenarbeit [German Corporation for International Cooperation]
GLSS	Ghana Living Standards Survey
GMF	Green Mini-Grid Facility
GMSP	Grid Management Support Programme [Kenya]
GoG	Government of Ghana
GSDRC	Governance and Social Development Resource Centre [UK]
GSGDA	Ghana Shared Growth and Development Agenda
GSS	Ghana Statistical Service
GTAP	Global Trade Analysis Project [USA]
GW	gigawatt
GWh	gigawatt hour
GWS	Gesellschaft für wirtschaftliche Strukturforchung [Institute of Economic Structures Research, Germany]
HFFP	high fossil fuel price

IASS	Institute for Advanced Sustainability Studies [Germany]
IDA	International Development Association [USA]
IDC	Industrial Development Corporation [South Africa]
IDE-JETRO	Institute of Developing Economies-Japan External Trade Organization
IEA	International Energy Agency [France]
IEEE	Institute of Electrical and Electronics Engineers [USA]
IET	Institution of Engineering and Technology [UK]
IFC	International Finance Corporation [USA]
IFPRI	International Food Policy Research Institute [USA]
IGC	International Growth Centre [Ghana]
IGGS	Institute of Green Growth Solutions [Ghana]
ILO	International Labour Organization [Switzerland]
IMF	International Monetary Fund [USA]
IPP	independent power producer
IRENA	International Renewable Energy Agency [UAE]
IRP	Integrated Resource Plan for Electricity [South Africa]
ISSER	Institute of Statistical, Social and Economics Research [Ghana]
IZA	Institut zur Zukunft der Arbeit [Institute for the Study of Labor, Germany]
JICA	Japan International Cooperation Agency
KAM	Kenya Association of Manufacturers
KENGEN	Kenya Electricity Generating Company
KENINVEST	Kenya Investment Authority
KEPSA	Kenya Private Sector Alliance
KEREA	Kenya Renewable Energy Association
KETRACO	Kenya Electricity Transmission Company
KIPPRA	Kenya Institute for Public Policy Research and Analysis
KITE	Kumasi Institute of Technology and Environment [Ghana]
KLEM	Capital (K), Labour, Energy, Materials
KPLC	Kenya Power and Lighting Company
KPMG	Klynveld Peat Marwick Goerdeler [Netherlands]
KWh	kilowatt hour
LCOE	levelised cost of electricity
LCPDP	Least Cost Power Development Plan [Kenya]
LOLE	loss of load expectation
LTWP	Lake Turkana Wind Power Plant [Kenya]
MCC	Millennium Challenge Corporation [USA]
MEA	Middle East and Africa
MENA	Middle East and North Africa
MiDA	Millennium Development Authority [Ghana]
MoDP	Ministry of Devolution and Planning [Kenya]
MoE	Ministry of Energy [Ghana]

MoENR	Ministry of Environment and Mineral Resources [Kenya]
MoEP	Ministry of Energy and Petroleum [Kenya]
MoWI	Ministry of Water and Irrigation [Kenya]
MT	multi-technology
Mt	metric tonne
MW	megawatt
MWh	megawatt hour
MWp	peak megawatt
NDCP	National Development Planning Commission [Ghana]
NEB	National Energy Board [Ghana]
ODI	Overseas Development Institute [UK]
OECD	Organisation for Economic Co-operation and Development [France]
PAB	pay-as-bid
PDIA	problem-driven iterative adaptation
PE	political economy
PEA	political economy analysis
PEACH	Political Economy Analysis of Climate Change Policies
PEF	Private Enterprise Federation
PPA	power purchasing agreement
PPIAF	Public–Private Infrastructure Advisory Facility [USA]
PRG	Partial Risk Guarantee
PS	Principal Secretary
PSRC	Power Sector Reform Committee [Ghana]
PURC	Public Utilities Regulatory Commission of Ghana
PUWU	Public Utilities Workers Union [Ghana]
PV	photovoltaic
PWD	public works department [Ghana]
R&D	research and development
REA	Rural Electrification Agency/Authority [sub-Saharan Africa]
RECAI	Renewable Energy Country Attractiveness Index
REF	Rural Electrification Fund
REFIT	Renewable Energy Feed-In Tariff
RE IPPPP	renewable energy independent power producer procurement programme
REMP	Rural Electrification Master Plan
RES-E	renewable energy sources of electricity/renewable electricity
RETs	renewable energy technologies
RoK	Republic of Kenya
SAFCEI	Southern African Faith Communities' Environment Institute
SAM	social accounting matrix
SAPVIA	South African Photovoltaic Industry Association
SAREC	South African Renewable Energy Council

SARETEC	South African Renewable Energy Technology Centre
SEZ	Special Economic Zone [South Africa]
sFIP	sliding feed-in premium
SHS	solar home system
SIDA	Swedish International Development Cooperation Agency
SPDSS	Spatial Decision Support Systems
SREP	Scaling-Up Renewable Energy Programme
SSA	sub-Saharan Africa
SUT	supply-and-use table
SWER	Single Wire Earth Return
SWERA	Solar and Wind Energy Resource Assessment
T&D	transmission and distribution
TA	Technical Assistance
TANESCO	Tanzania Electricity Supply Company
TFP	total factor productivity
TN	technology-neutral
TNT	The National Treasury [Kenya]
TS	technology-specific
TUC	Trades Union Congress [Ghana]
TWh	terrawatt hour
UNDESA	United Nations Department of Economic and Social Affairs [USA]
UNDP	United Nations Development Programme [USA]
UNEP	United Nations Environment Programme [Kenya]
UNFCCC	United Nations Framework Convention on Climate Change
UNSD	United Nations Statistical Division [USA]
UNU-WIDER	United Nations University World Institute for Development Economics Research [Finland]
USAID	United States Agency for International Development
USDA	US Department of Agriculture
VG	variable [renewable] generation
VRA	Volta River Authority [Ghana]
WBCSD	World Business Council for Sustainable Development [Switzerland]
WFP	World Food Programme [Italy]
WIDER	World Institute for Development Economics Research [Finland]
WWF	World Wildlife Fund [Switzerland]

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