











Day	1 – Monday, June 24 – 5 th Africa Mini Grids Summit & Country Programs Location: Ballroom 1
	Location. Bailloom 1
8:00	Breakfast and Registration
	Opening Session – Location: Ballroom 1
8:55	Welcome & Introductory Remarks Maggie Tan, CEO, Magenta Global Pte Ltd
9:00	Introduction to the 5 th Mini Grid Summit & Country Programs & Mini Grids – Lessons from the Field Prof. Abubakr S. Bahaj, Professor of Sustainable Energy, Head of Energy & Climate Change Division, University of Southampton; Chief Scientific Adviser, Southampton City, United Kingdom
9:30	Partners in Progress: How the Mini Grid Sector Can Increase Speed and Lower Costs of Rural Electrification Aaron Leopold, Chief Executive Officer, Africa Minigrid Developers Association (AMDA)
	Country Programs
9:50	KENYA Kenya's Renewable Energy Policy in Support of the Mini Grids – Latest updates Mungai Kihara, Chief Renewable Energy Officer, Kenya Ministry of Energy Strengthening Markets for Off Grid Solutions in Kenya Nickson Bukachi, Senior Renewable Energy Officer, Energy Regulatory Commission, Kenya GMG Facility Kenya; progress and lessons learned Gerard Hendriksen, Team Leader, GMG, IED
10:50	Coffee Break
11:10	NIGERIA Creating an Enabling Environment for a 10.000 Mini Grids Market Suleiman Babamanu, Senior Technical Project Manager, Nigeria Rural Electrification Agency Scaling up Finance for Mini Grids: Nigeria
	Ifechukwude ("Chude") Uwajeh, <i>Deputy Director</i> , GreenMax Capital Group













12:00	RWANDA
	Off Grid Electricity Access Expansion Programs in Rwanda
	Uwera Rutagarama, Director Primary and Social Energies Development, Rwanda Energy Group,
	Rwanda
	Case Study from a Project Developer
	Richard Mori, CEO, XPower, Rwanda
12:30	SIERRA LEONE
	Update on Sierra Leone Rural Renewable Energy Project (RREP) – Establishing the enabling
	environment for a private sector driven rural mini grid market
	Nick Gardner, Country Manager, UNOPS, Sierra Leone
12:50	Networking Lunch
14:00	ZAMBIA
	Off Grid Electricity Access Expansion Programs in Zambia
	Partie Kabango, Chief Engineer Power Generation and Distribution, Rural Electrification
	Authority, Zambia
14:20	UGANDA
14.20	The Role of Mini Grids to Address Uganda's Power Deficit
	Henry Semaganda, <i>Senior Network Design Engineer</i> , Rural Electrification Agency, Uganda
	Henry Semaganda, Semon Network Design Engineer, Rural Electrication Agency, Oganda
	Regional Africa Programs
14:40	Private Sector Mini Grids – Moving from transitional to transformational – Lessons from Tanzania Somalia, Kenya, Nigeria & Mali
	Murefu Barasa, Managing Partner, EED Advisory Limited
15:00	Update on UK DFID support to the Green Mini Grids Sector in Africa Steven Hunt, Senior Energy & Innovation Advisor, Department for International Development













15:20 Mini Grid Investment in Sub-Saharan Africa: Summary of Lessons Learned Lothar Jakab, Managing Director, Steinbeis Consulting Impact Investing

15:40 Coffee Break

16:10

Panel Discussion: Future Prospects for Electricity Access in Africa Through Mini Grids

Chair: Prof. AbuBakr S. Bahaj, University of Southampton, UK

- Mungai Kihara, Chief Renewable Energy Officer, Kenya Ministry of Energy
- Suleiman Babamanu, Nigeria Rural Electrification Agency
- Uwera Rutagarama, Director Primary and Social Energies Development, Rwanda Energy Group, Rwanda
- Nick Gardner, UNOPS
- Henry Semagnanda, Senior Network Design Engineer, Rural Electrification Agency, Uganda
- Partie Kabango, Chief Engineer Power Generation and Distribution, Rural Electrification Authority, Zambia

16:40 Closing Remarks Prof. Abubakr S. Bahaj, Chair

Day 1: Monday, June 2	4 HOMER Foundational Training (by Invitation only for 30 participants)	
Location: Meeting Room 1		
9:00 – 17:30	Parallel Session Closed-Door/Invitation Only	













	Day 2 – Tuesday, June 25 – Ghana Universal Energy Access &
	Mini Grid Roundtable
	Location: Ballroom 1
8:00	Breakfast and Registration
8:55	Welcome and Introductions
9:15 9:45 10:15	Opening Keynote Address by Minister for Energy – Hon. John Peter Amewu Path to country-wide electrification – Executive Secretary, Energy Commission, Dr. Alfred Ahenkorah Achieving universal access to energy: the role of the World Bank – Henry Kerali, World Bank Country Director and Ivo Imparato, World Bank Program Leader for Sustainable Development
10:30	Coffee Break and Ministerial Press Event
11:00	Panel Discussion: The evolution, opportunities, and challenges of universal energy access How has the enabling environment for energy access evolved over the past 20 years? What are the challenges that still need to be met to achieve universal access? Meeting the challenges: Off-grid, mini grid and grid extension solutions
	Panelists: Prof. Oteng Adjei, former Minister of Energy; Clement Abavana, Noxie Consult Ltd.; Jabesh Amissah-Arthur, CEO, Arthur Energy Advisors; Ing. John Nuworklo, Fmr. Managing Director, NEDCo; Dr. Mensah Kutin, Regional Director, ABANTU for Development Facilitator: Ing. A. T. Barfour, Ghana SREP Coordinator













12:30	Lunch & Introduction to Homer Modeling Tool
14:00	Role of Mini Grid and Off-grid Solutions in Achieving Universal Access Challenges & Opportunities – Seth A. Mahu, Deputy Director, Renewable Energy, Ministry of Energy Q&A
14:45	Promoting Productive Uses of Energy as Part of Universal Access • Challenges & opportunities – Dr. Julius Ahiekpor, Centre for Energy, Environment and Sustainable Development (CEESD) • Q&A
15:30	Afternoon Coffee Break
16:00	 Panel Discussion: Tariffs, Financing, and Business Models for Mini grids What are the challenges in mainstreaming mini grid tariffs into the national tariff systems? What strategies have been adopted to overcome financing barriers to mini grid promotion towards universal access in Ghana? The role of private sector in the public sector-led business models
	Panelists: Oscar Amonoo-Neizer, Director of Energy, PURC; Antony Karembu, AfDB SEFA Coordinator; Henry Vanderpuye, Access Manager, GEDAP; Nicole Poindexter, CEO, Black Star Energy Facilitator: Ing. Emmanuel Osafo, Deputy Chief Executive, VRA
17:15	Close of Day Remarks – Dana Rysankova, World Bank Global Lead for Energy Access Lawrence Apaalse, Chief Director, Ministry of Energy
17:30	Evening Reception – Location: Pool Area

Day 2: Tuesday June 25	ODYSSEY Training (by Invitation only) Location: Meeting Room 1
13:30 – 17:30	Parallel Session Closed-Door/Invitation Only













Day 3 - Wednesday, June 26 - Global Technical Conference on Mini Grids

Plenary Location: Ballroom 1

7:30 Breakfast and Registration

8:30 Opening

- Welcome and Launch of World Bank Mini Grid Report Rohit Khanna, ESMAP Manager
- Remarks: Iain Walker, British High Commissioner to Ghana Reaching Universal Energy Access –
 A perspective from Development Partners
- Remarks: Senior Minister Yaw Osarfo-Mafo, Government of Ghana
- **Keynote**: Dr. Kandeh Yumkella, former UN Under-Secretary-General and Special Representative of the Secretary-General for Sustainable Energy for All

9:30 Launch of the Comprehensive Mini Grid Report

- Introduction to the Mini Grid Report & Today's Agenda Jon Exel, World Bank
- State of the Mini Grid Market Globally Dr. James Knuckles, World Bank consultant
- Introduction to Parallel Clinic Topics Catherine Morris, CBI

10:15 Coffee Break

11:00 Parallel Clinics on the 10 Pillars of Mini Grids (Round 1):

- A. **Demand Creation and Productive Uses (Location: Ballroom 2)** Juliette Besnard & Tatia Lemondzhava, World Bank, Facilitator
 - o Closing the Circuit Richenda Van Leeuwen, Rocky Mountain Institute
 - Electric Cooking Besnik Hyseni, World Bank and Dr. Ed Brown, UK Low Carbon Energy for Development Network
- B. Workable Regulations (Location: Ballroom 1) Gianmarco Servetti, Castalia, Facilitator
 - Tanzania: Proposed SPP Development Rules Victor Labaa, Energy and Water Utilities Regulatory Authority (EWURA)
 - Mini Grid Policies and Regulatory Frameworks: The Case of Nigeria Suleiman Babamanu,
 Nigeria Rural Electrification Agency
 - Private Sector Perspective on Workable Regulations Rik Wuts, Powerhive
- C. Access to Finance (Location: Meeting Room 6) Subodh Mathur, Facilitator
 - o Project Finance for Scaling Mini Grids Gabriel Davies, CrossBoundary Energy Access
 - o Early-Stage Financing in Green Sectors in Sub-Saharan Africa Jin Lee, World Bank













- D. Closing the Gap between Women and Men in the Off-Grid Sector (Location: Meeting Room 1)
 - Nicole Poindexter, Black Star Energy, Facilitator
 - o Creating Employment Opportunities for Women Hayley Bron, PEG Africa
 - Building Gender Equity into National Rural Electrification Programs Ifunanya Nwandu-Dozie, Nigeria Rural Electrification Agency

12:45 Lunch

13:45 Parallel Clinics on the 10 Pillars of Mini Grids (Round 2):

- A. Technology and Costs (Location: Ballroom 2) Dr. Chris Greacen, Facilitator
 - o Burkina Faso & Côte d'Ivoire Rural Electrification Case Studies Mireia Gil, Azimut 360
 - o Strategies for Reducing Costs Dr. Hasna Khan, CEO, PSL-USA
- B. **Geospatial Portfolio Planning (Location: Meeting Room 1)** Ashish Shrestha, World Bank, Facilitator
 - o Nigeria Case Study Suleiman Babamanu, Nigeria REA
 - o Tools for geospatial planning Eitan Hochster, Odyssey Energy Solutions
 - o Private Sector perspective Ibrahim Abada, Engie
- C. Community Engagement (Location: Meeting Room 6) Dramani Bukari, SNV World, Facilitator
 - o Ishmael Edjekumhene, KITE (tbc)
 - o Kelly Carlin, Rocky Mountain Institute
 - Or. Ishmael Ackah, Energy Economist, Ghana Energy Commission
- D. **Business Models and Enabling Business Environment (Location: Ballroom 1)** Dr. James Knuckles, Facilitator
 - o Three Generations of Mini Grids Tatia Lemondzhava, World Bank
 - Experience from Kenya Mungai Kihara, Kenya Ministry of Energy
 - Bangladesh Case Study Syeeda Yeasmeen Meer, Idcol

15:30 Coffee Break and Session Switch Over

16:00 Parallel Clinics on the 10 Pillars of Mini Grids (Round 3):

- A. Taking Mini Grids to Scale Sustainably/ Institutional Framework (Location: Ballroom 2) Subodh Mathur, Facilitator
 - o Ghana Case Study Seth Mahu, Ghana Ministry of Energy
 - o Institutional Arrangements to Support the Private Sector Rik Wuts, Powerhive
- B. Capacity Building/Training (Location: Ballroom 1) Sunita Chikkatur Dubey, Facilitator













- o Mali Case Study Mahamadou Kanta, Mali Director of Rural Electrification
- o Certifications & Competencies for Mini Grid Developers Mike Wilson, IEEE
- o Bangladesh Case Study Rasel Ahmed, Idcol
- C. Transforming Regional Energy Markets through Policy Harmonization (Location: Meeting Room 1) – Eng. Julius James Gitonga, East African Centre for Renewable Energy and Energy Efficiency (EACREEE) and Kenya Ministry of Energy, Facilitator
 - o Prof. AbuBakr Bahaj, University of Southampton, UK
 - Nicola Bugatti, TTA
 - Damian Casmiri, Africa Enterprise Challenge Fund
- D. Role of the Private Sector (Location: Meeting Room 6) Ricky Buch, Facilitator
 - o Nicole Poindexter, CEO, Black Star Energy
 - o Aaron Leopold, Executive Director, Africa Mini Grid Developers Association (AMDA)

17:45 Coffee Break; Return to Plenary – Ballroom 1

18:00 Closing Session and Adjourn

- Next Steps: Development Partners Rohit Khanna, World Bank
- Next Steps: Private Sector Aaron Leopold, AMDA
- Closing: Hon. William Owuraku-Aidoo, Deputy Minister, (Power) Ministry of Energy













Day 4 – Thursday, June 27 – Ghana: Implementation – Reaching Universal Energy		
	Access by 2020	
	Plenary Location: Ballroom 1	
8:00	Breakfast and Registration	
9:00	 Welcome and Opening Remarks Hon. Joseph Cudjoe, Ministry of Energy, Deputy Minister in Infrastructure & Finance Dr. Alfred Ahenkorah Executive Secretary, Energy Commission – Contribution of energy efficiency to universal access David Vilar, World Bank Program Lead, Ghana 	
9:45	 Geospatial Planning: Focusing on the remaining 15% non-electrified communities – George Owusu, Senior GIS Specialist, CERSGIS, University of Ghana Technical Solutions: Grid Extension, Mini Grids, Off-grid – Ing. A. T. Barfour, Ghana SREP Coordinator 	
10:15	Coffee Break	
10:45	Parallel Sessions 1. Geospatial Planning (Location: Ballroom 1) Discussants: George Owusu, CERSGIS; Seth Mahu, Ministry of Energy; Fred Appiah, Energy Commission; Seth Twum-Akwaboah, AGI; Ashish Shrestha; World Bank (facilitator) Technical Solutions (Location: Ballroom 2) Discussants: George Eduful, ECG; Moses Tawiah, NEDCO-Northern Utility; Kwadwo Obeng, PDS; Kwasi Agyenim Boateng, AGSI; Nicole Poindexter, Blackstar Energy; Ing. A. T. Barfour, Ghana SREP Coordinator (facilitator)	
12:45	Lunch	
13:45	Parallel Session Report-Outs	
14:15	Setting the Stage:	
	 Cost, Financing, and the Role of Development Partners in Reaching Universal Access – (Location: Ballroom 1) Ing. Sulemana Abubakari, Deputy Director, Distribution, Ministry of Energy; Mark Newton, USAID Institutional Arrangements for Achieving Universal Access – (Location: Ballroom 2) Ing. A. T. Barfour, Ghana SREP Coordinator 	













14:45	Afternoon Coffee Break
15:00	Parallel Sessions 1. Cost, financing, and the role of development partners (Location: Ballroom 1) O Discussants: Ing. Sulemana Abubakari, Ministry of Energy; Mark Newton, USAID; Antony Karembu, AfDB; Joseph Kwadwo Asenso, Ministry of Finance; Kingsley Adofo-Addo, Ecobank; Sunita Dubey, World Bank (facilitator) 2. Institutional arrangements (Location: Ballroom 2) O Discussants: Seth Mahu, Ministry of Energy; Fred Appiah, Energy Commission; Seth Twum-Akwaboah, AGI; Ing. Ekow Kwofie, ECG; Moses Tawiah, NEDCO-Northern Utility; Ishmael Edjekumhene, KITE/PURC; Kwadwo Obeng, PDS; Dr. Daniel Benefor, EPA; Ing. A. T. Barfour, Ghana SREP Coordinator (facilitator)
17:00 -	17:30 Parallel Session Report-Outs (Location: Ballroom 1) Closing Remarks and Adjourn – Jon Exel, World Bank & Seth Mahu, Ministry of Energy

Day 4: Thursday, June 27	Green Mini Grids Africa (Location: Meeting Room 2)
8:30 – 12:45	Parallel Session Closed-Door / Invitation Only
Day 4: Thursday, June 27	Clean Cooking Forum (Location: Meeting Room 4)
9:00 – 16:30	Parallel Session Closed-Door / Invitation Only
Day 4: Thursday, June 27	Development Partners Forum (Location: Meeting Room 1)
14:00 – 17:30	Parallel Session Closed-Door / Invitation Only