

NORLD ENERGY OUTLOOK 2017

Energy access outlook From poverty to prosperity

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Electricity access for all remains elusive,



Source: IEA World Energy Outlook analysis

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Latest WEO estimates show that 1.2 billion people still don't have access to electricity

but progress is seen in all world regions

Access to electricity, 2014

Population without electricity access, 2000-2014

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Renewed policy commitment, new business models and improving technology costs for decentralized renewables are coming together to improve progress

Access for all is within reach, and renewables are key

Global population with and without electricity access in the New Policies Scenario, 2000-2040

Cumulative global capacity additions for electricity access in the New Policies Scenario 2015-2040

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Currently planned policies fall short of meeting universal access to electricity, but 2 billion gain access through 2040 with a variety of sources

Climate policies can also help unlock energy access



Sources of generation for achieving universal access to electricity

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Source: IEA World Energy Outlook, 2016

Bringing the world on track to 2°C enables cost reductions in low-carbon technologies which can unlock greater energy access, especially with decentralised solutions

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Different pathways to energy for all: Mapping universal access

Optimum split by grid type, based on anticipated expansion of main transmission lines

Nigeria



Royal Institute of Technology, division of Energy Systems Analysis.

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Path to modern energy not one-size-fits-all: energy resources are widespread, but human, financial & regulatory resources are not

WEO-2017 Energy Access Outlook – key areas of focus

- IEA has a long history in this area; including connecting across agendas (renewables, digitalisation, capacity building etc.)
- Energy Access Outlook will:
 - Include updated country-by-country energy access estimates and outlook
 - Present a strategy on how to achieve modern energy access for all by 2030 (by region, technology, fuel, levels of investment etc.)
 - Examine how energy development can unleash productive economic activity, serving to accelerate economic growth
 - Analyse the intersection between energy access and other critical issues, such as health, the environment & gender
- Launch of the report: **19 October 2017**



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