



SUSTAINABLE
ENERGY FOR ALL

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SE4ALL Initiative of UNSG

Energy in UN Political Agenda – Why significant

- UN General Assembly declares 2012 the Year of Sustainable Energy for All; calls on SG to mobilize action on energy for development –
- Declaration has now been strengthened by the GA declaring 2014-2024 as the SE4ALL Decade
- Links to post 2015 Development Agenda and effort to include energy in SDGs

- Two years ago, the Secretary General launches, at the General Assembly session in September, 2011, the Sustainable Energy for all initiative – SE4ALL

- SE4ALL initiative designed to mobilize global action from all sections of the society: governments, business, investors, community groups and academia in support of three interlinked objectives – goals to be reached by 2030:
 - ❖ Ensuring universal access to modern energy services
 - ❖ Doubling the global rate of improvement in energy efficiency
 - ❖ Doubling the share of renewable energy in the global energy mix



Global Energy Landscape

The Driver: The Need for Major Transformation

- More than 1.2 billion people lack access to electricity
 - At least 2.8 billion are without clean cooking facilities
 - Many more have access to energy but of poor quality and reliability – a typical problem particularly for this region
 - If world continues in current path, global temperatures could rise by more than 4 degrees Celsius by the end of the century with unsustainable use of energy being the largest contributor
 - **Growing concern that current energy systems are in need of major transformation to be able to address the major challenges of the 21st century namely poverty eradication, climate change, environmental degradation, economic growth, and energy security**
-



Energy cuts across sustainable development issues

Pursuing three objectives simultaneously bring about immense benefits –

Opportunity for UNDP to Change the narrative on Energy

Achieving the three objectives of Sustainable Energy for All...

... makes many development goals possible

....it is not just about power stations, transformers and distribution lines (though critical and important)



Ensuring universal Energy Access

- Improved **health**
Improved agricultural **productivity**
- Empowerment of **women**
- Business and **employment** creation
- Economic development and equity
- Achievement of the **Millennium Development Goals**



Doubling the share of Renewable Energy

- Affordable energy even where grid does not reach
- New opportunities for small entrepreneurs
- Decreased variability in energy costs
- Energy security and reduced import bills
- Reduced environmental impacts



Doubling the rate of improvement in Energy Efficiency

- Lighting / appliances that require less power
- Fossil fuel resources used more effectively
- Reduced energy costs for consumers
- Redistribution of electricity that now is wasted or lost
- More reliable electricity systems

Key components and Stakeholders

An Inclusive Agenda

All parties must act...

...and work together to realize a world with Sustainable Energy for All

Governments

National governments
Public institutions
Cities and municipalities
Multilateral organizations
Bilateral development partners

Businesses

Energy companies
Financial players
All companies

Civil society

Organization
Academic institutions
Individuals



Building the Initiative

The First Year

- UN Secretary General established a High Level Group consisting of Heads of UN Agencies, CEOs of major corporations and other prominent agencies – headed by Chad Halliday (Board Chairman of Bank of America) and Kandeh Yumkella (Chair of UN Energy and Director General UNIDO) to help formulate plan of action leading up to Rio + 20 (now dissolved)
- High Level Group established two Task Forces to provide technical guidance on energy access and clean energy – Each prepared recommendations
- High Level Group formulated Action Agenda based on the reports of the Technical Task Forces – Action Agenda launched at Rio+20
- Developing country level action began with a number of country visits and dialogue with governments in many more through the UN Resident Coordinators resulting with action start up in over 70 countries
- Major stakeholders demonstrated high level of support by making concrete commitments in support of SE4ALL at Rio + 20



Building the Initiative

More Recent

- **A work program for 2013-2015 has been approved**
- **Based on existing data and data provided in Rapid Assessments and Gap Analyses – assessment being carried out to guide start-up of country level action in a number of countries**
- **A Multi-Partner Trust Fund has been established at UNDP to receive funds from donors for some operational activities and setting a global team to support the initiative (Vienna and New York + regional and thematic hubs)**
- **A number of High Impact Opportunities have been identified and partnerships being explored for implementation support**



Building the Initiative

More recent (continued)

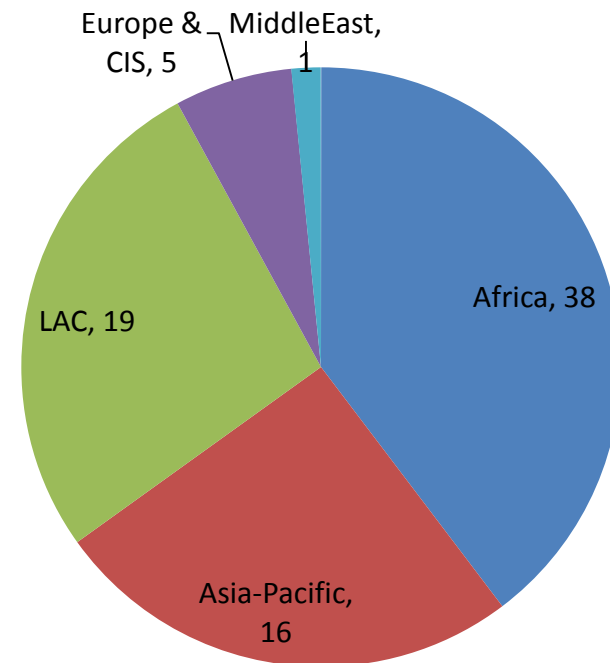
- **Kandeh Yumkella – took up his duties as SRSB – CEO of the SE4ALL on a full time basis as of July 2013**
- **Advisory Group established – chaired by the UN Secretary General and the President of the World Bank and Executive Committee chaired by the President of the Bank of America – Chad Halliday**
- **A Global Tracking Report – led by the World Bank and the International Energy Agency – launched and to be issued on an annual basis to track progress on milestones related to three goals of SE4ALL**
- **Global consultation/campaign has initiated to assess the role of energy in the post 2015 MDG and SDG process**
- **A Global Support Office has been established in Vienna with a skeleton staff – to support work in various streams: Country Action (UNDP Colleague Susan McDade will lead) High Impact Opportunities - Knowledge sharing activities - Building Partnership**



Country Action

Current Status

- 77 countries have now formally joined – more in pipeline - 5 in RBEC region
- 40 Rapid Assessment studies done or in process – basis for next step – action plan preparation
- Several donors, international institutions and businesses already committed
- Implementation Phase to begin in 2013 – now - for a long term commitment



SE4ALL Country Action Process

A Long Term Global Commitment

Country Opt-In

- Government expresses interest to join SE4ALL
- Ministry focal point identified
- Initial dialogues begin- some with SE4ALL visits
- Cross-sectoral/multi-stakeholder buy-in and consultation

Stock-taking & Gap Analysis

- Situation analysis & stock taking (Rapid Assessment/Gap Analysis undertaken)
- Potential high impact opportunities for scaling up and acceleration identified
- Multi-stakeholder consultations, verification, and identification of potential partners

1 - 2 months

National Action Plans & Programs

- Nationally tailored goals
- Preparation of SE4ALL implementation plan
- Development of a portfolio of investment national and regional programs
- Enabling frameworks
- Capacity building
- Matchmaking/identification of multi-stakeholder partners
- Financing access
- Monitoring & accountability frameworks

6-18 months

Implementation & Monitoring

- Investment and implementation
- On-going capacity building and other technical support
- Monitoring and feedback
- Knowledge sharing

10-20 years



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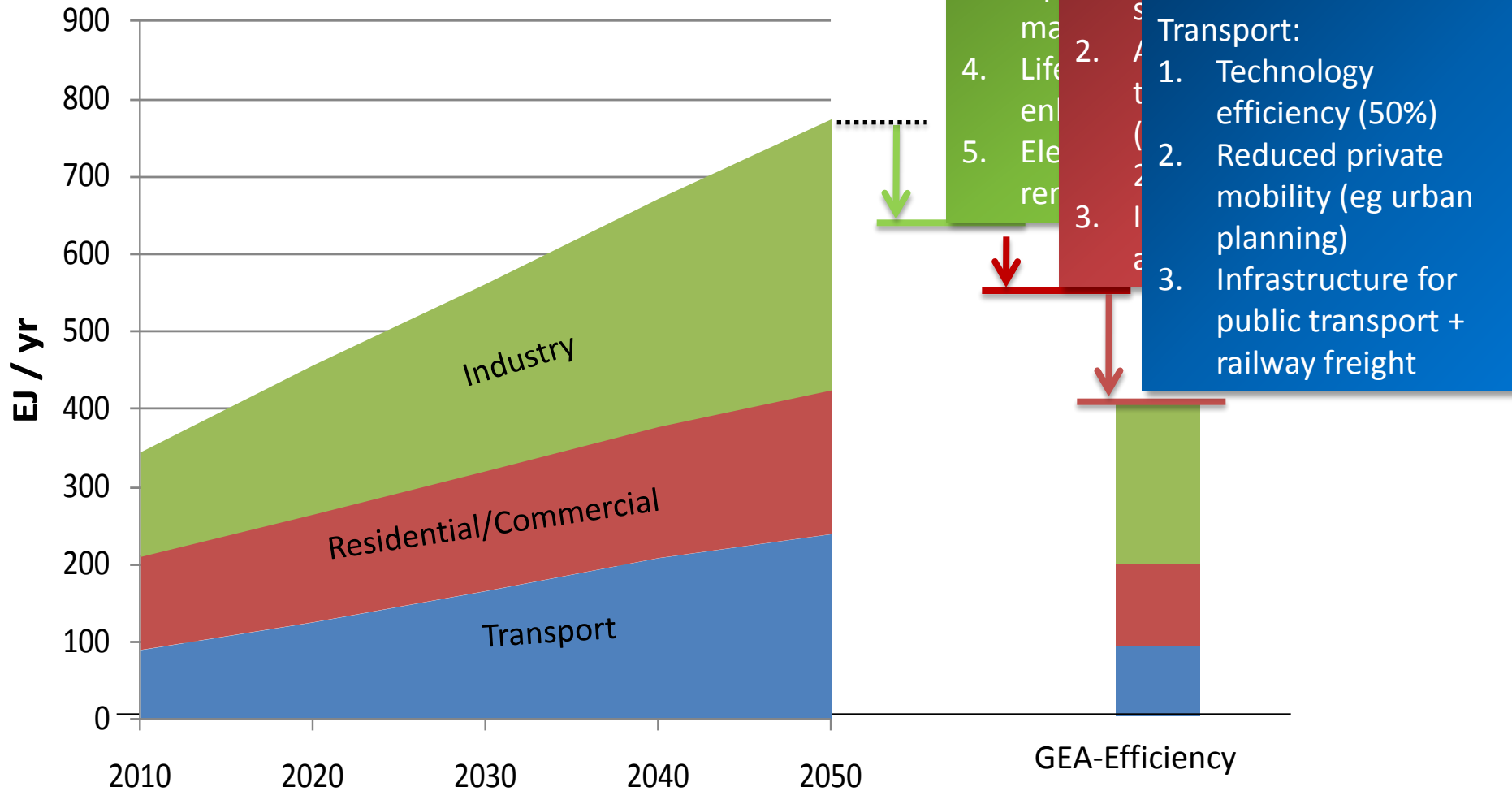
High-Impact Opportunities

A sample

Initial High-Impact Opportunity Areas	Action Area
Clean cookstoves, LPG & advanced fuels	Modern cooking appliances and fuels
Off-grid lighting/charging, Mini/micro grids, Island renewables	Distributed electricity solutions
	Grid infrastructure and supply efficiency
Grid connected renewables, Wind	Large scale renewable energy
Gas flaring, Energy smart foods, Corporate energy efficiency	Industrial and agricultural processes
EV, Fuel efficiency, 2 ⁿ generation bio-fuels	Transportation
Advanced lighting, Appliance efficiency, Cool roofs, Building energy efficiency	Buildings and appliances
Sustainable cities, country action	Energy planning and policies
Demand pull - renewables	Business model and technology innovation
Accelerating private financing through PPP	Finance and risk management
Resource map, SE investment index, Clean energy solutions center	Capacity building and knowledge sharing

Energy Efficiency

The Big Opportunity for Region



Some Key Messages

- **Infrastructure and technology are important, but equally important to address critical issues related to the energy services they provide, the productive uses, the negative impacts such as in health and on the environment of energy that is not clean energy, institutions, skills & capacities, lifestyles (the broader energy story), the hurdles to obtain finance and the policy mechanisms to address them (e.g de-risking)**
- **The urgency for integrated action driven by the need to achieve multiple goals simultaneously – poverty eradication, climate change, energy security, etc. -and to avoid negative lock-in with investments in outdated infrastructure or structures with long life cycles**
- **Energy policies need to be coordinated with policies in sectors such as industry, buildings, urbanization, transport, health, environment etc. to have real impact**

