

***BRINGING ENERGY EFFICIENCY
TO ALL CONSUMERS***

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UN Advisory Group on Energy & Climate Change



Last year the UN Secretary-General's Advisory Group on Energy and Climate Change called on the UN system and Member States to commit themselves to two global goals by 2030:

- *Achieve universal energy access*
- *Reduce energy intensity by 40%*

UN Foundation Energy Initiatives

- *Global Campaign for Universal Energy Access*
 - *Global Alliance for Clean Cookstoves*
 - *Global Energy Efficiency Action*

Access to clean and affordable energy is critical to achieving sustainable global development and security

- *1.6 billion people are mired in poverty because they lack access to electricity*
- *Nearly 3 billion people still rely on traditional biomass for cooking; millions die from indoor air pollution every year*
- *Energy pollution and waste is massive because we haven't fully deployed energy efficient technologies*

The UN General Assembly has declared 2012 to be the International Year of Sustainable Energy for All

Clean Energy is Essential to Achieve the MDGs

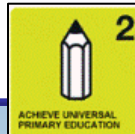
Eradicate Extreme Poverty and Hunger

Energy fuels access to a modern life and is critical to poverty alleviation through economic and social development.



Achieve Universal Primary Education

Lighting, space conditioning, and information access provides the proper environment for education at home and school.



Gender Equality & Empower Women

Reduce time spent on fuel collection to expand income opportunities, increase school attendance, and provide health benefits.



Reduce Child Mortality

Indoor air pollution causes respiratory infections that account for 2 million child deaths each year.



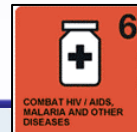
Improve Maternal Health

Energy access at medical facilities provides medicine refrigeration and equipment sterilization.



Combat HIV/AIDS, Malaria, & Diseases

Energy access is critical to provide refrigeration for vaccination and medicines.



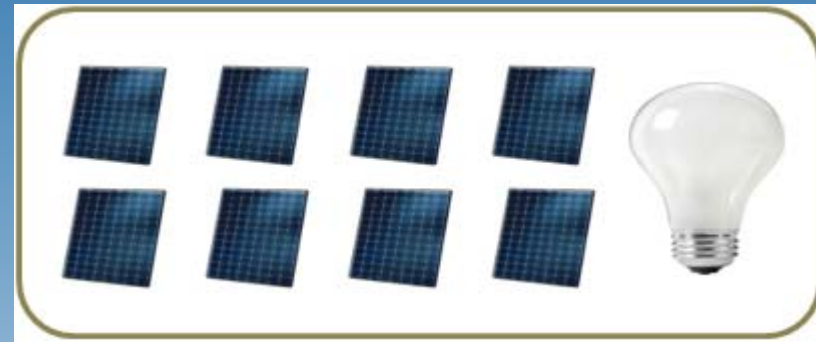
Environmental Sustainability

Clean energy conserves natural resources and reduces greenhouse gas emissions.

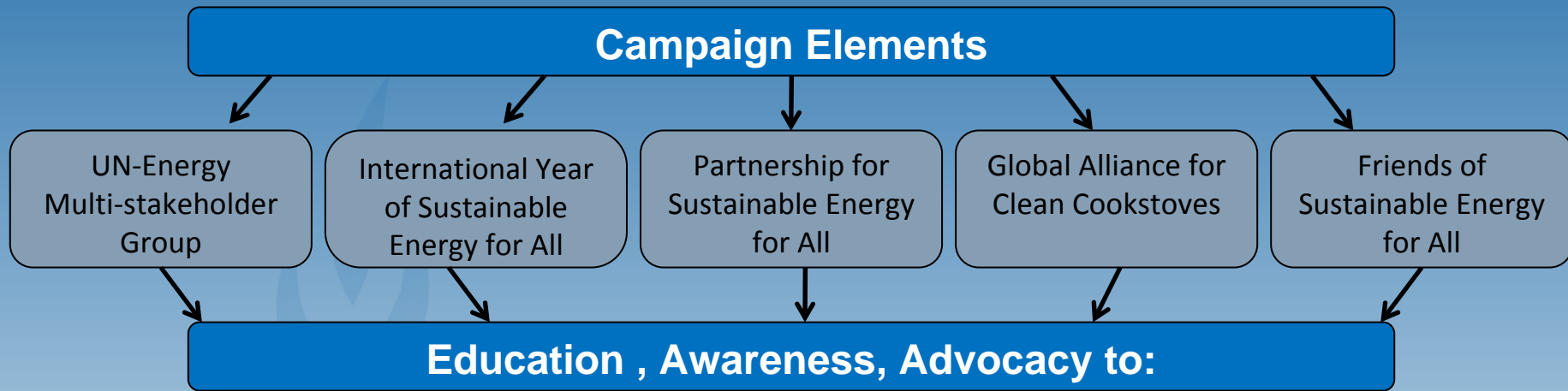


Energy Efficiency Makes Clean Energy More Affordable

- The greatest barrier to deployment of clean energy is cost
- Using energy-efficient end-use technologies reduces the size and cost of renewable energy systems
- High-efficiency lighting technologies provide the same amount of light but lower the cost of PV systems by almost 90%!



Global Campaign for Universal Energy Access



- Prioritize energy access as a political and economic development objective
- Mobilize support for national action programs to support the 2030 goal
- Identify barriers and disseminate best practice solutions
- Encourage and support public-private partnerships to promote energy access





Upcoming Events

- April 7, 2011 Bloomberg/New Energy Finance Summit: Roundtable Day on Energy Access and Climate Finance
- September 2011 Session on Energy for Development at the UN General Assembly
- October 2011 Global Energy Poverty Conference, Norway
- December 2011 UNFCCC COP17 in Durban, South Africa
- January 2012 Launch of the International Year of Sustainable Energy for All in Abu Dhabi
- June 2-4, 2012 Rio+20 Conference in Rio de Janeiro
- September 2012 Report to the UN General Assembly on Achievements of the Year

UN-Energy Internet Portal on Best Policies, Practices



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SOLUTIONS
CENTER**

Your virtual one-stop-shop clearinghouse of information and tools on clean energy policies

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Energy Efficiency

- Appliances and Equipment
 - Buildings
- Transportation
 - Industry
 - Utility

Renewable Energy

- Electricity
- Biofuels
- Heating and Cooling

Energy Access

- Electricity
- Cook stoves

Cleaner Power & Infrastructure

- Smart Grid, CCS, Natural Gas Fuel Switching, etc.

Featured Resources

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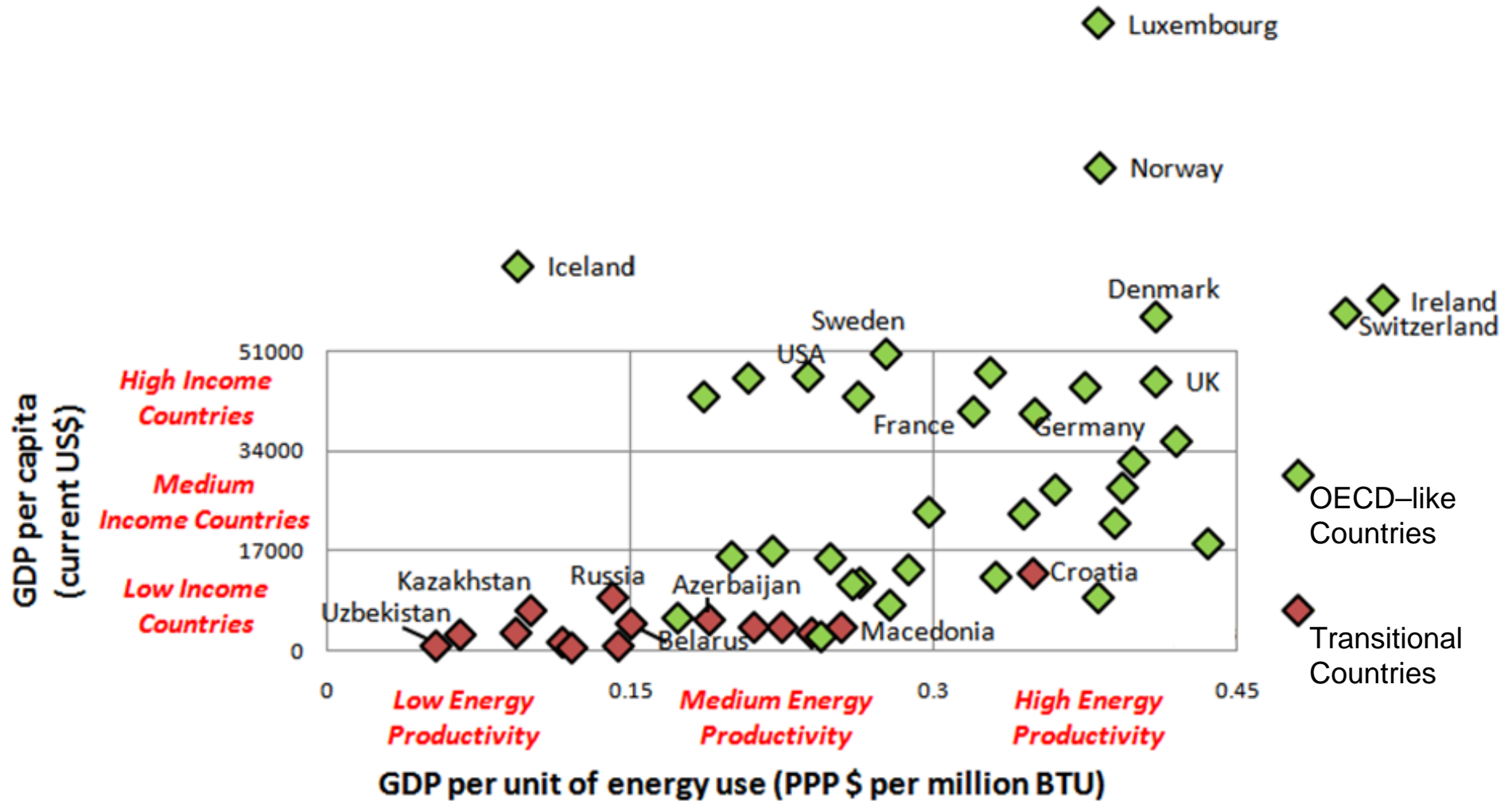


Best Policies, Practices to Deploy Energy Efficiency



- Adopt strong residential & commercial ***building energy codes***
- Create ***EE standards*** for appliances and industrial equipment
- ***Reform utility regulation*** to enable utilities to profitably upgrade their customer's homes and businesses
- Facilitate ***private-sector financing to*** upgrade government and commercial office buildings
- Incorporate EE in ***municipal planning***, expand ***public transport***, and create ***public awareness*** campaigns
- Require that EE be a key part of ***clean energy projects***

Deployment of EE is a Building Block of Economic Prosperity



A New Utility Business Model for Energy Efficiency Investment



- For most electric and gas utilities, the more energy they sell, the more money they make
- Investment in energy efficiency thus reduces their own profitability
- Utilities will change their behavior if they can make more money by deploying energy efficiency
- Instead of building more polluting power plants, enable utilities to profit by investing in their customers' homes and businesses

Three Components of Utility Reform to Deploy EE

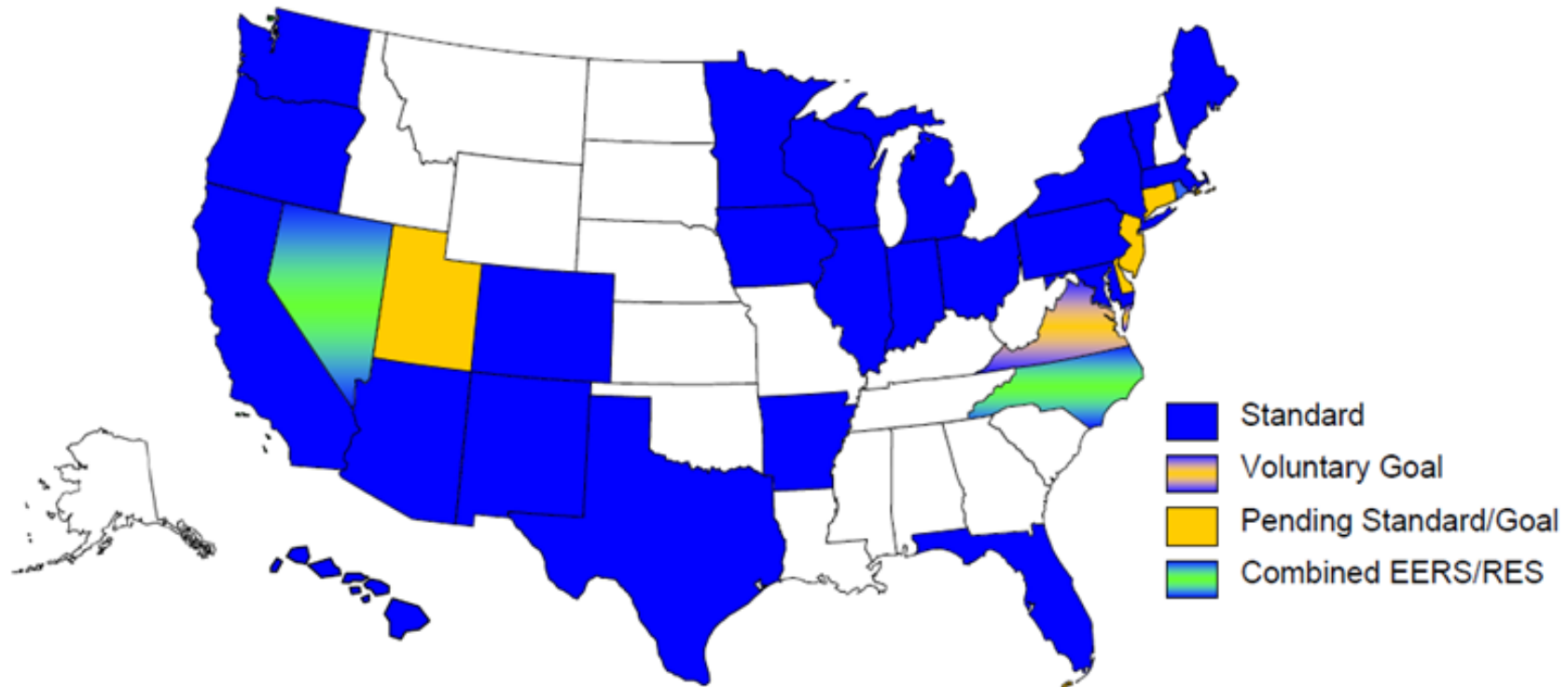
1. Decouple Revenue from Profits
2. Set EE Performance Requirements
3. Provide EE Profit Incentives

Many U.S. States Require Utilities to Invest in Energy Efficiency



State Energy Efficiency Resource Standard (EERS) Activity

December 2010



Twenty-six states have enacted energy savings goals, or Energy Efficiency Resource Standards (EERS), through legislation and several states have a pending EERS



RIO+20

United Nations Conference
on Sustainable Development

UNITED NATIONS
FOUNDATION

- The UN Conference on Sustainable Development will be held in Rio de Janeiro, Brazil on June 2-4, 2012

RIO+20 Goals:

- *Assess progress toward previously agreed international sustainable development goals and address new and emerging challenges*
- *Secure renewed political commitment to sustainable development*

RIO+20 Themes:

- *Creating a green economy in the context of poverty eradication and sustainable development*
- *Developing an institutional framework for sustainable development*

Rio+20: Unite the World around Common Goals



- To create a green economy in the context of poverty eradication and sustainable development ...
- **The world should commit in Rio to achieve by 2030:**
 - *Universal access to modern energy services*
 - *Increased energy efficiency by 40%*
 - *Use of renewable energy for 30% of global needs*

Thank You !

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