

# SUSTAINABLE energy

FOR ALL

*The first global tracking framework lays out the challenge ahead:*

*While the world is making progress, it isn't moving fast enough. Business as usual won't get us there.*

**WHAT WILL IT TAKE?**

THE SUSTAINABLE ENERGY FOR ALL INITIATIVE SETS  
**3 GLOBAL GOALS FOR 2030**

**1**

**ENERGY ACCESS**

**2**

**ENERGY EFFICIENCY**

**3**

**RENEWABLE ENERGY**



**IT'S TIME FOR DECISIVE ACTION**



OBJECTIVE

1

# ENERGY ACCESS

PROVIDING UNIVERSAL ACCESS TO MODERN ENERGY

2030 GOAL: 100% GLOBAL ACCESS TO



ELECTRICITY

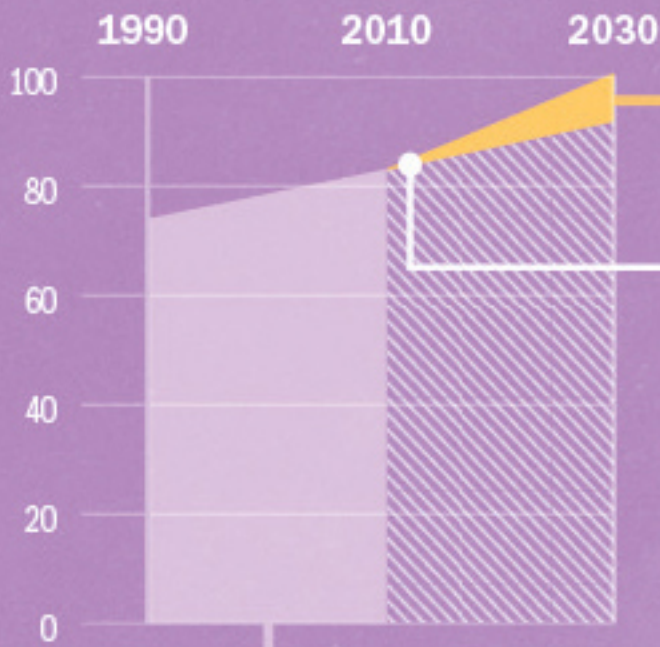
&



MODERN FUELS  
for cooking

## GLOBAL ACCESS TO ELECTRICITY

Pace needs to increase by 38% to reach goal by 2030



during the last 20 years  
**1.7 BILLION PEOPLE**  
gained access to electricity

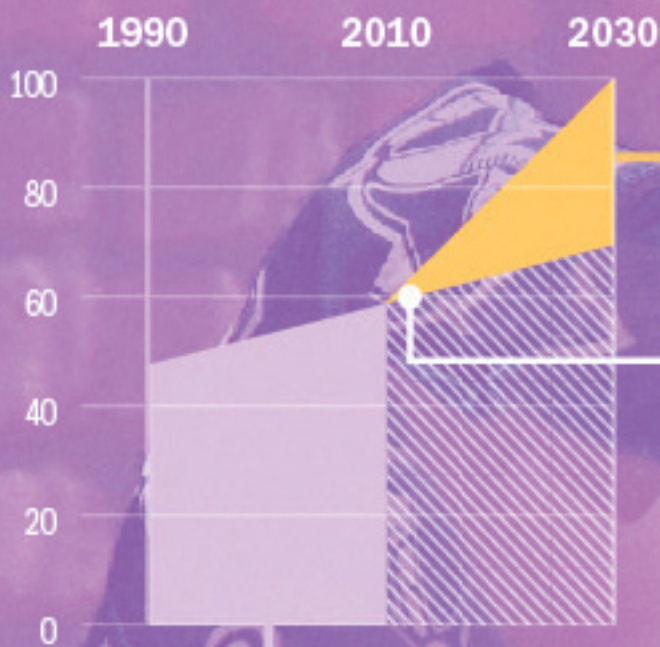
**BUSINESS AS USUAL WOULD LEAVE 12-16%**  
of the world's population without electricity

**1.2 BILLION PEOPLE**  
HAVE NO ACCESS TO ELECTRICITY TODAY

**ACCESS TO ELECTRICITY**  
is essential to end poverty

## GLOBAL ACCESS TO MODERN FUELS FOR COOKING

Pace needs to increase by 2.5 times to reach goal by 2030



during the last 20 years  
**1.6 BILLION PEOPLE**  
gained access to less-polluting  
household fuels

**BUSINESS AS USUAL WOULD LEAVE 31-36%**  
of the world's population without modern cooking solutions

**2.8 BILLION PEOPLE**  
RELY ON SOLID FUELS, SUCH AS WOOD & COAL, FOR COOKING TODAY

Access to safe household fuels will end  
**FOUR MILLION DEATHS**  
a year caused by  
**toxic indoor smoke.**

### SUGGESTED TACTICS TO REACH GOAL BY 2030:

**INVEST**

In energy generation, including grid and off-grid

**EXPAND**

transmission & distribution networks

**BUILD**

markets for off-grid lighting in rural areas

**PROVIDE**

targeted subsidies for energy access

**FOCUS**

on clean cooking solutions

**IMPROVE**

household and country-level surveys



OBJECTIVE

2

# DOUBLING THE RATE OF IMPROVEMENT IN GLOBAL ENERGY EFFICIENCY

Primary world energy consumption



1990

CONSUMPTION

**367**  
EXAJOULES

ENERGY INTENSITY

**10.2**  
MEGAJOULES \$ / PPP



2010

CONSUMPTION

**534**  
EXAJOULES

ENERGY INTENSITY

**7.9**  
MEGAJOULES \$ / PPP



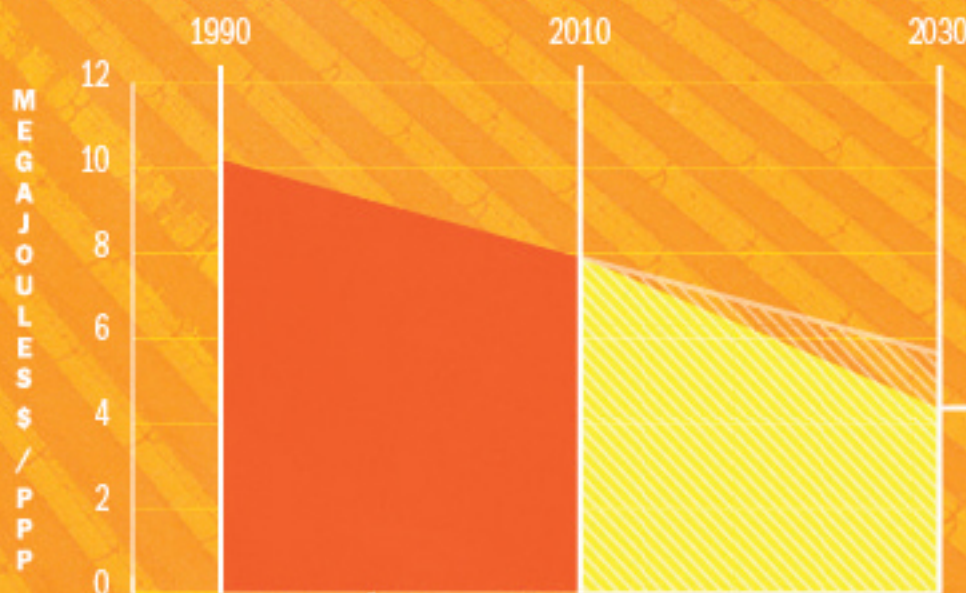
2030

ENERGY INTENSITY

**4.7**  
MEGAJOULES \$ / PPP

*Primary World Energy Consumption is 36% lower than it would have been without the improvements.*

ENERGY INTENSITY: A MEASURE OF ENERGY EFFICIENCY



DOUBLING THE RATE OF IMPROVEMENT OF

## ENERGY EFFICIENCY SAVES ENERGY, MONEY & EMISSIONS.

From 1990 to 2010, nearly

**2,300 EXAJOULES**  
of energy were saved

**EQUIVALENT TO MORE THAN 25 YEARS OF PRIMARY ENERGY CONSUMPTION IN THE U.S.**

### SUGGESTED TACTICS TO REACH GOAL BY 2030:

**IMPROVE**

energy efficiency standards for buildings

**PHASE OUT**

untargeted fossil fuel subsidies

**INTRODUCE**

policies that put price on carbon

**INSTALL**

smart-grid and smart-meter technologies

**IMPLEMENT**

urban planning that highlights energy savings through building, transport & other infrastructure

**PUBLIC**

awareness campaigns on saving energy

**STRENGTHEN**

capacity to collect data on energy intensity, efficiency targets, policies and investments

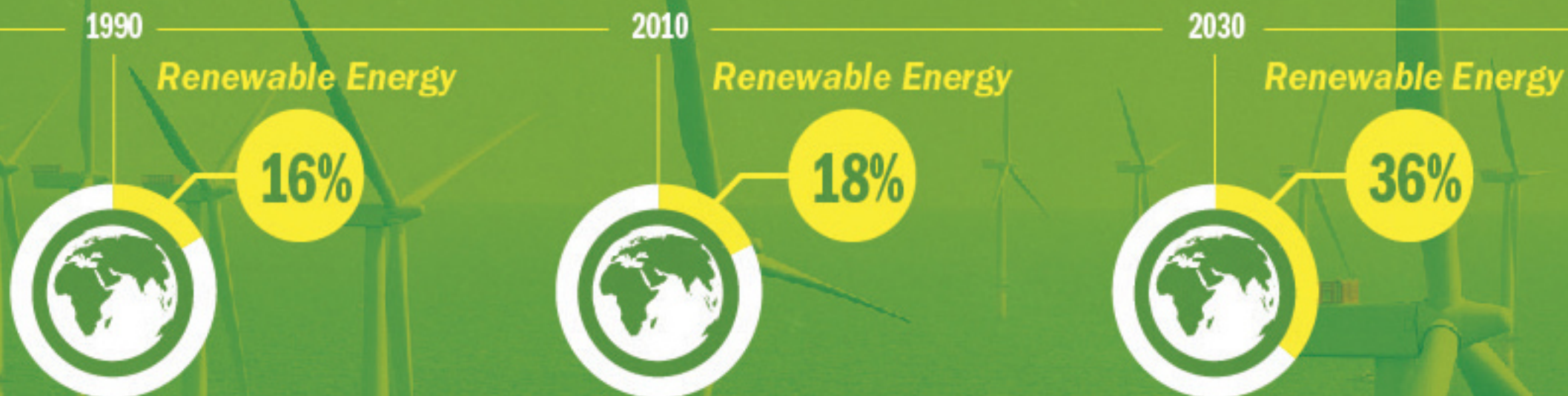


OBJECTIVE

3

# DOUBLING THE SHARE OF WORLD'S MIX OF RENEWABLE ENERGY

*Pace needs to increase by 2.5 times historical growth rate to reach goal by 2030*



## SUGGESTED TACTICS TO REACH GOAL BY 2030:

**ESTABLISH**

a price for carbon

**PHASE OUT**

untargeted fossil fuel subsidies

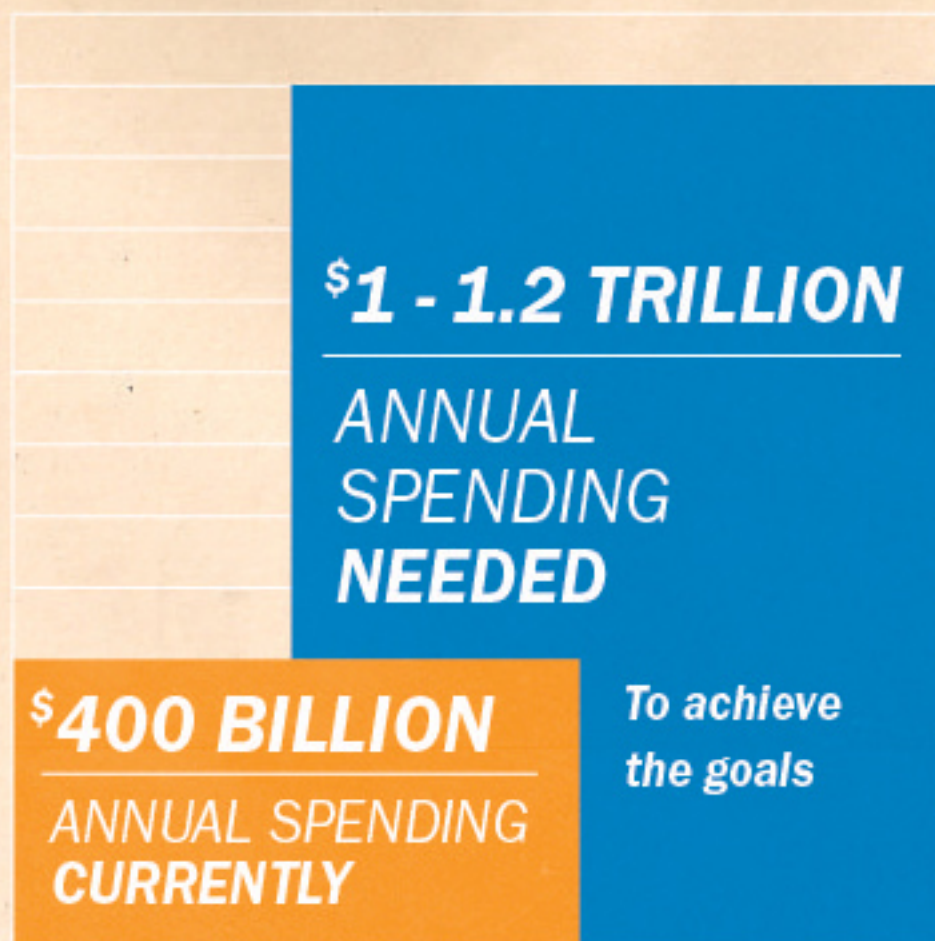
**INTRODUCE**

policy incentives for renewable energy such as feed-in tariffs, renewable portfolio standards, auctions

**INCREASE**

capital flows and reduce risks associated with investing in renewable energy

## Increase Financing



## Take bold policy steps, such as:

Phasing out **untargeted fossil fuel subsidies**

Using targeted subsidies to **promote access**

Establishing a **price for carbon**

Adopting strict standards for **energy efficiency**

Introducing **policy incentives for renewable energy**

Promoting a **good investment climate for energy**

Meeting the renewable energy and energy efficiency goals can help slow climate change.

# JOIN THE GLOBAL EFFORT TO BUILD SUSTAINABLE ENERGY FOR ALL.

Learn more in the Sustainable Energy for All Global Tracking Framework Report:

[WorldBank.org/se4all](http://WorldBank.org/se4all)



Source: WorldBank.org



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