UN Sustainable Energy for All

One Goal:

Achieving Sustainable Energy for All by 2030

Three Objectives:

- 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.
# Energy Efficiency Accelerators

The Global Energy Efficiency Accelerator Platform was established to support specific sector-based energy efficiency accelerators.

<table>
<thead>
<tr>
<th>Sector</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Lighting</strong></td>
<td>Global market transformation to efficient lighting</td>
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<tr>
<td><strong>Appliances &amp; Equipment</strong></td>
<td>Global market transformation to efficient appliances &amp; equipment</td>
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<tr>
<td><strong>Vehicle Fuel Efficiency</strong></td>
<td>Improve the fuel economy capacity of the global car fleet</td>
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<tr>
<td><strong>Buildings</strong></td>
<td>Promote sustainable building policies &amp; practices worldwide</td>
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<tr>
<td><strong>District Energy</strong></td>
<td>Support national &amp; municipal governments to develop or scale-up district energy systems</td>
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<tr>
<td><strong>Industry</strong></td>
<td>Implementing Energy Management Systems, technologies &amp; practices</td>
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Power Sector Accelerator is under development.
Building Efficiency Accelerator (BEA) partnership

Subnational Jurisdictions:
BEA Partner Jurisdictions

**OECD**
Milwaukee, USA
Tokyo, Japan

**CENTRAL & EASTERN EUROPE**
Alba Iulia, Romania
Belgrade, Serbia*
Bucharest, Romania
Eskişehir, Turkey*
Riga, Latvia
Warsaw, Poland

**MIDDLE EAST**
Dubai, UAE

**LATIN AMERICA & CARIBBEAN**
Bogotá, Colombia*
Medellín, Colombia
Mexico City, Mexico*
State of Jalisco, Mexico

**BRASIL**
Porto Alegre, Brasil

**SOUTH ASIA**
Coimbatore, India
Rajkot, India*
Shimla, India

**SOUTHEAST ASIA**
Da Nang, Vietnam*
Iskandar, Malaysia
Mandaluyong, Philippines
Muñoz, Philippines
Santa Rosa, Philippines

*City selected for “Deep Dive” engagement
Building Efficiency Accelerator (BEA) partnership

**Coordinating partner:**

- World Resources Institute
- WRI Ross Center for Sustainable Cities

**NGOs/Associations/Multilaterals:**

- UNEP
- I.C.L.E.I.
- Local Governments for Sustainability
- World Green Building Council
- World Business Council for Sustainable Development
- GBN
- Carbon Trust
- Copenhagen Centre on Energy Efficiency
- USGBC
- United Nations Foundation
- IEA
- International Energy Agency
- GEF
- UNDP
- IFC
- World Bank Group
- NRDC
- 3GF
- Global Green Growth Forum
- Investor Confidence Project
- BPIE
- Buildings Performance Institute Europe
- C40 Cities
- Edge
- 100 Resilient Cities
- The Business Council for Sustainable Energy

**Service Providers/Companies:**

- Johnson Controls
- Philips
- Danfoss
- Alstom
- Saint-Gobain
- Tecnalia
- Accenture
- Schneider Electric
Why is building efficiency important?

Large impact:
• Buildings consume one third of energy demand and account for about one quarter of GHG emissions globally

Large potential:
• Global building energy demand can be reduced by one third by 2050, with best practices

Long-lasting implications:
• Buildings last for 40-100 years or more. Poor choices today can lock-in high costs, carbon emissions, and poor urban services

Multiple benefits:

**Economic**
- Construction represents 16% of GDP
- Each $1 spent on EE avoids more than $2 in energy supply spending

**Social**
- Energy access
- Reliability
- Energy security
- Public health & productivity
- Job creation

**Environmental**
- GHG emissions reduction
- Sustainable building materials
- Water conservation
- Climate resilience
Partnerships and commitments enable implementation of ambitious projects and policy packages to **address barriers, bridge efficiency gap, and avoid lock-in** of inefficient buildings.

**Acceleration of building efficiency policy efforts**
What are cities signing up to do?

**Overarching commitment:**
double the rate of building energy efficiency by 2030 in targeted sector within the jurisdiction

- Implement one enabling **policy**
- Implement one demonstration **project**
- Create a baseline, **track and report** annual progress, and **share experiences** with other governments

**Policy**

**Project**

**Tracking & communication**
What does the BEA provide?

- **Local action prioritization process**
  - Collaborative, multi-stakeholder assessments and workshops to define and prioritize policies and projects

- **Tools, expertise and solutions**
  - Technical support through trainings, tools. Access to network of subject matter experts and service providers.

- **Funding opportunities**
  - Connect projects in need to financial partners who can provide funding to efficiency actions

- **International recognition and collaboration**
  - Recognition of efficiency actions at international events. Knowledge sharing through a global network of peers.