Supporting partners to create local solutions by adapting, learning, course correcting

Using evidence and measurement to shape action

Through systematic learning, building consensus to shift local and national policies, and the global agenda

200 staff
in 9 offices in 6 countries

55 cities
of active engagement

36 major outcomes
Our vision:
Buildings are solutions for cities of the future. Productive, actively managed buildings can integrate and improve multiple systems (energy, water, waste, transportation) to sustainably deliver urban services.

We advance solutions through four areas of work:
1. Convening city-scale public-private collaboration for efficiency policies and projects;
2. Testing scalable business and finance models for sustainable approaches to urban services;
3. Encouraging practices to improve building performance information and its transparency;
4. Advancing the adoption of high-performance and net zero buildings and their integration and contributions to urban energy systems.

buildingefficiencyinitiative.org
UN Sustainable Energy for All

One Goal:

Achieving Sustainable Energy for All by 2030

Three Objectives:
Building Efficiency Accelerator (BEA) city assistance process

**Commitment**
- Partnership agreement signed by city and Accelerator
- Areas of interest and activity agreed with city authorities

**Assessment**
- High-level assessment, using available tools and data, to identify locally-appropriate actions to improve building efficiency.
- Access relevant best practice technical solutions and expertise through Accelerator network.

**Development**
- Organization and facilitation of multi-stakeholder engagement focused on prioritizing actions in areas of interest.
- Plan of action for implementing prioritized energy efficiency policies, programs or projects
- Solicit technical and financial assistance from Accelerator partners.

**Implementation**
- Policy/project funded and staffed
- Policy/project implementation initiated

**Improvement**
- Establish building efficiency performance baseline and track improvements.
- Participate in peer-to-peer, best practice sharing.
- Develop continuous improvement approach to building efficiency and identify new actions.

All Partner Cities

Deep Dive
BEA plan/process 2016-2017 – GEF grant commitments

COMPONENT 1: PARTNERSHIP
- Global multistakeholder partnership to support subnational projects & action

COMPONENT 2: TECHNICAL ASSISTANCE
- 50 Cities engaged by the Accelerator; 30 Cities join SE4ALL BEA and commit to a policy, project, and tracking
- 30 Cities engage with partnership and participate in trainings, tools, and technical assistance in support of priority actions

COMPONENT 3: ‘DEEP DIVE’ ENGAGEMENTS
- 6 Cities in emerging economics engage in in-depth multistakeholder process and accelerate policy and project implementation

Building Efficiency Results and Planning for Phase II

COMPONENT 4: MONITORING AND EVALUATION

Building Efficiency Accelerator
Building Efficiency Accelerator (BEA) partnership

Coordinating partner:  

NGOs/Associations/Multilaterals:

Service Providers/Companies:
Building Efficiency Accelerator (BEA) partnership

Subnational Jurisdictions:

- Alba Iulia
- Београд
- Alcaldía Mayor de Bogotá D.C.
- București
- Coimbatore
- Dâmbovița
- Gobierno de Jalisco
- Government of Dubai
- Eskişehir Belediyesi
- Iskandar Malaysia
- Medellín
- CDMX
- City of Milwaukee
- Science City of Muntik
- Prefeitura de Porto Alegre
- Rīgas DOME
- City of Santa Rosa
- Tshwane Municipal Corporation
- Tokyo Metropolitan Government
- City of Warsaw

Building Efficiency Accelerator

Sustainable Energy for All
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
### Topics of BEA support to jurisdictions

<table>
<thead>
<tr>
<th>Topics</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Codes &amp; Standards</strong></td>
<td>• Building energy codes and product standards establish minimum requirements for energy performance.</td>
</tr>
<tr>
<td><strong>Targets</strong></td>
<td>• Targets to align interests and spur action to improve efficiency in the building sector.</td>
</tr>
<tr>
<td><strong>Performance Info &amp; Certifications</strong></td>
<td>• Data, baselines, disclosure and certifications for market differentiation of building performance or attributes.</td>
</tr>
<tr>
<td><strong>Finance &amp; Incentives</strong></td>
<td>• Programs and incentives to provide funding to building efficiency improvements.</td>
</tr>
<tr>
<td><strong>Government Leadership Programs</strong></td>
<td>• Programs to support government efficiency, including public building retrofits and innovative procurement.</td>
</tr>
<tr>
<td><strong>Building Owner &amp; Occupant Actions</strong></td>
<td>• Building operations, occupant behavior.</td>
</tr>
<tr>
<td><strong>Technical &amp; Financial Services Capacity</strong></td>
<td>• Market development and skilled workforce for private providers of building construction, services &amp; equipment</td>
</tr>
<tr>
<td><strong>Utility Actions</strong></td>
<td>• Planning and programs by utility companies for energy efficiency improvement.</td>
</tr>
</tbody>
</table>
Deep Dive Case Study: Mexico City

• September 2014 commitment from Mexico City gov’t to:
  – Implement a building energy code
  – Retrofit public buildings

• Launch workshop for common vision – March 2015
  – 100 multi-stakeholder participants – including city government, federal government, businesses, finance, civil society and consulting

• Action plan underway in 2016: 4 workgroups chaired by Mexico City government staff and an SE4All partner, project managed by WRI/CTS EMBARQ
  – Technical workshop on building retrofits and finance
  – Recommendations on action by government and stakeholders delivered in October; Actions announced at COP 21 in December
  – Program implementation phase 1: January 2016-October 2016
  – In June: New energy code adopted; public building audits approved
BEA Knowledge and Engagement Process

May 27-June 17 2016: Kickoff call with BEA liaison & WRI

June-August 2016: Complete initial assessment of priorities

September-October 2016: Select policy, project and tracking approach

October 2016-September 2017: Plan and implement actions

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**Thematic work groups**: 30 global partners (NGOs, companies, associations) providing technical assistance

<table>
<thead>
<tr>
<th>Thematic Work Groups</th>
<th>Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building energy codes</td>
<td>GBPN</td>
</tr>
<tr>
<td>Greening buildings / “above code” certifications</td>
<td>World Green Business Council</td>
</tr>
<tr>
<td>Retrofitting existing buildings</td>
<td>Tecnalia</td>
</tr>
<tr>
<td>Modifying procurement rules and tools</td>
<td>UNEP, ICLEI</td>
</tr>
<tr>
<td>Developing finance strategies for efficiency</td>
<td>Investor Confidence Project</td>
</tr>
<tr>
<td>Tracking progress</td>
<td>C2E2</td>
</tr>
</tbody>
</table>

**Program support teams**: Provide support across all thematic technical assistance areas

<table>
<thead>
<tr>
<th>Program Support Teams</th>
<th>Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge management</td>
<td>WRI</td>
</tr>
<tr>
<td>Assessment and prioritization of city actions</td>
<td>WRI</td>
</tr>
<tr>
<td>Private sector engagement</td>
<td>WBCSD</td>
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<tr>
<td>Responsive technical assistance</td>
<td>Clean Energy Solutions Center</td>
</tr>
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*Sign up for the BEA newsletter.*
Accelerating Building Efficiency: 8 Actions for Urban Leaders

www.wri.org/buildingefficiency
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