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.
Global Energy Efficiency Accelerator Platform

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

### Lighting
- Global market transformation to efficient lighting

### Appliances & Equipment
- Global market transformation to efficient appliances & equipment

### Vehicle Fuel Efficiency
- Improve the fuel economy capacity of the global car fleet

### Buildings
- Promote sustainable building policies & practices worldwide

### District Energy
- Support national & municipal governments to develop or scale-up district energy systems

### Industry
- Implementing Energy Management Systems, technologies & practices

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Power Sector Accelerator is under development.
New partnerships, built around public-private collaboration, address barriers to action, enable implementation of ambitious policies and projects and avoid lock-in of inefficient buildings.
Building Efficiency Accelerator Cities & States

COIMBATORE

NAIROBI

Улаанбаатар
BEA Partner Jurisdictions

USA & CANADA
Milwaukee, USA

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

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

MIDDLE EAST
Dubai, UAE

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

AFRICA
Kisii County, Kenya
Nairobi, Kenya
Tshwane, South Africa

EAST ASIA
Ulaanbaatar, Mongolia
Tokyo, Japan

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

*City selected for “Deep Dive” engagement
What are cities signing up to do?

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

- **Policy:** Implement one enabling policy
- **Project:** Implement one or more pilot project
- **Tracking & communication:** Track and report progress, and share experiences with other governments
What are businesses and NGOs committing to do?

1. Sign Statement of Support for SEforALL Accelerator Platform
2. Provide a primary point of contact
3. Identify topic(s) and/or geography(ies) to support
4. Participate (a minimum of twice each year)
   - Attend or present at regional workshops
   - Join partnership calls
   - Provide in-kind assistance to partner jurisdiction(s)
   - Identify and recruit additional partners or resources
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.
### BEA support to jurisdictions- The 8 topic areas

<table>
<thead>
<tr>
<th>POLICY &amp; PROGRAM MECHANISMS</th>
<th>STAKEHOLDER STRATEGIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CODES &amp; STANDARDS</td>
<td>5. GOVERNMENT LEADERSHIP BY EXAMPLE</td>
</tr>
<tr>
<td>• Building energy codes and product standards establish minimum requirements for energy performance.</td>
<td>• Programs to support government efficiency, including public building retrofits and innovative procurement.</td>
</tr>
<tr>
<td>2. TARGETS</td>
<td>6. BUILDING OWNER &amp; OCCUPANT ACTIONS</td>
</tr>
<tr>
<td>• Targets to align interests and spur action to improve efficiency in the building sector.</td>
<td>• Building design, construction, operations, occupant behavior.</td>
</tr>
<tr>
<td>3. PERFORMANCE INFO &amp; CERTIFICATIONS</td>
<td>7. TECHNICAL &amp; FINANCIAL SERVICES</td>
</tr>
<tr>
<td>• Data, baselines, disclosure and certifications for market differentiation of building performance or attributes.</td>
<td>• Market development and skilled workforce for private providers of building construction, services &amp; equipment</td>
</tr>
<tr>
<td>4. INCENTIVES &amp; FINANCE</td>
<td>8. WORKING WITH UTILITIES</td>
</tr>
<tr>
<td>• Programs and incentives to provide funding to building efficiency improvements.</td>
<td>• Planning and programs by utility companies for energy efficiency improvement.</td>
</tr>
</tbody>
</table>

BEA assistance to partners and “deep dives”

Available to all partner jurisdictions:
• Assigned BEA point of contact (local & global)
• Assessment and action prioritization process
• Resources and assistance from technical work groups of global partners
• Webinars, trainings, regional meetings
• Matchmaking with peer, inspiring, or aspiring cities

6 BEA jurisdictions selected as “deep dives”:
• Funding: one full-time staff from BEA partner to support jurisdiction for 12-16 mos
• Coordinate prioritization, planning, implementation of building efficiency actions
• Resulting in:
  – Enhanced staff capacity and building efficiency focus
  – Facilitation and development of local multi-stakeholder partnership
  – Prioritization of actions and implementation assistance by leveraging BEA partners
Role of BEA - implementation intermediary between global and local partnerships

**Local action and public-private collaboration**
- Governments
- Green building councils
- Efficiency businesses
- Building owners

**BEA**
- Process
- Expertise and peer learning
- Accountability & recognition
- Finance

**Global agenda**
- SDGs
- Paris Climate Agreement
- Energy - SEforALL
- Buildings and Cities - GABC
- Green growth - 3GF
**BEA city action process**

**Starting status:**
Limited building efficiency action in city

**BEA 2030 vision:**
Doubled energy efficiency improvement in city

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### Commit
- Sign **partnership agreement**
- Identify preliminary interest areas

### Assess
- **Assess** locally-appropriate building efficiency actions
- **Engage with stakeholders** to help prioritize actions
- Develop an **action plan** for implementing priorities

### Develop
- Access **BEA Partners’ technical solutions and expertise**
- Solicit **financial assistance** with BEA
- **Draft and adopt** policy
- Develop **technical documentation** identify **funding** for project

### Implement
- **Fund and staff** BEA policy & project
- **Implement** BEA policy & project

### Improve
- Establish building efficiency **performance baseline** and track improvements.
- Share best practices with other BEA cities
- Develop an approach for **continuous improvement**
### Examples of BEA City and State commitments

<table>
<thead>
<tr>
<th>CITY</th>
<th>POLICY</th>
<th>PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgrade, Serbia</td>
<td>Develop standard procedures for building retrofits including consumption-based billing</td>
<td>Conduct a retrofit on one or more public buildings</td>
</tr>
<tr>
<td>Bogota, Colombia</td>
<td>Integrate a national regulation for building construction into local plans</td>
<td>Apply best practices for new efficient buildings in a district scale regeneration project</td>
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<tr>
<td>Bucharest, Romania</td>
<td><strong>Incorporate private investment into the city’s sustainable development strategy</strong></td>
<td>Retrofit schools and apartment buildings</td>
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<tr>
<td>Da Nang, Vietnam</td>
<td>Develop a directive to implement efficiency measures in large buildings</td>
<td>Implement energy efficiency solutions for hotel demonstration project</td>
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<tr>
<td>Dubai, UAE</td>
<td>Adopt a policy for energy performance labelling of existing buildings</td>
<td><strong>Benchmark the energy performance of 100 buildings</strong></td>
</tr>
<tr>
<td>Eskisehir, Turkey</td>
<td><strong>Implement a national mandate for EPCs</strong></td>
<td>Integrate building efficiency measures in a new building</td>
</tr>
<tr>
<td>Merida, Mexico</td>
<td>Adopt and implement a building energy code</td>
<td>Retrofit four public buildings using audits and benchmarking tools</td>
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<tr>
<td>Porto Alegre, Brazil</td>
<td>Launch a municipal fund for efficiency and RE investment</td>
<td>Benchmark municipal and school buildings to prioritize for investment</td>
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<tr>
<td>Rajkot, India</td>
<td><strong>Develop a green building policy</strong></td>
<td><strong>Retrofit one or more existing municipal buildings</strong></td>
</tr>
<tr>
<td>Santa Rosa, Philippines</td>
<td>Adopt a mandatory green building code</td>
<td>Launch a green building city challenge for new and existing buildings</td>
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</tbody>
</table>
Deep-dive case study- Rajkot

- **SMART city, 6th fastest** growing city in India and the **22nd fastest** growing urban areas in the world. “ (City Mayor’s World Congress)

- **20-25k new houses** are built annually

- Demonstrate leadership in commitments to sustainable development and **encourage other development** within the City to follow the principles set out in this policy

- Rising demand for cooling since Rajkot falls in the Composite climate zone (ECBC’2005), however it also exhibit some conditions of Hot & Dry climate zone
Deep-dive case study- Rajkot

- Jurisdiction partner- Rajkot Municipal Corporation (RMC)
- RMC’s policy commitment- RMC Green Building program
  - Establishing of a green building cell
  - Incentives and awards for greener construction
  - Mandatory for all new residential buildings/building complexes with built-up area of more than 10,000 square meters
- RMC’s project commitment- Retrofitting of two municipal buildings
Key lessons learned in BEA 1.0

- **Building broad coalitons**: shared vision of stakeholders for the local jurisdiction even if political transitions remain difficult
- **Delineating leadership roles**: Clear responsibilities, goals, and accountability are crucial for success
- **Readiness for finance**: cities not ready to talk about finance unless clear about projects and current city contracting or budgeting constraints
- **Achieving scale for finance and impact**: Connections with high-level platforms such as SE4all provide an important political link
Current BEA Partner Businesses and Organizations
Next Steps- BEA 2.0

We welcome new business, NGO, and government partners!

For more information or to join as a partner, contact:

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BuildingEfficiencyAccelerator.org