



SUSTAINABLE
ENERGY FOR ALL



GLOBAL ENERGY EFFICIENCY ACCELERATOR PLATFORM

Building Efficiency Accelerator: *How does the BEA help with policy design?*

Eric Mackres
March 31, 2016



WORLD
RESOURCES
INSTITUTE

I.C.L.E.I
Local
Governments
for Sustainability



International
Energy Agency



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 City Engagement Process

Light Touch

Light Touch

Deep Dive

Commitment

Assessment

Development

Implementation

Improvement

- Expression of interest submitted by the city to the Accelerator
- Commitments discussed and agreed with the city's authorities
- A high-level assessment, using available tools and data, to explore local opportunities for energy efficiency improvements through policy and programs
- Organization of multi-stakeholder workshop on specific actions and areas of interest
- Review/update action plans for energy efficiency programs or projects
- Introductions to financial organizations
- Access state-of-the-art technical solutions and best practice policy, program and project expertise through SE4ALL Accelerator network partners
- Program/project initiated
- Funding approach identified
- Establishing an energy efficiency performance baseline and tracking of annual performance improvement
- Participation in peer-to-peer, best practice sharing events through virtual meetings and in-person summits

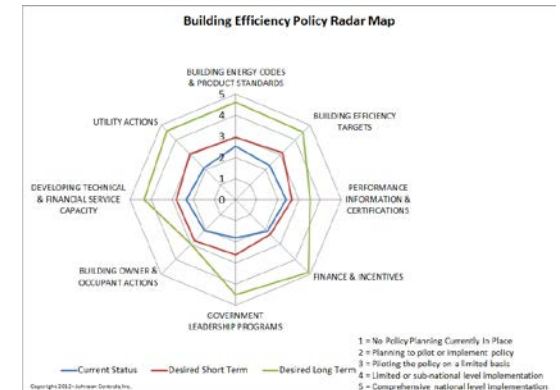
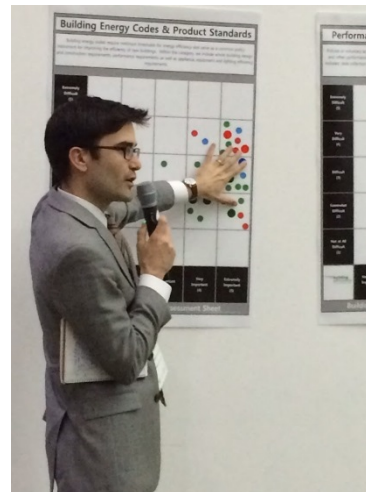
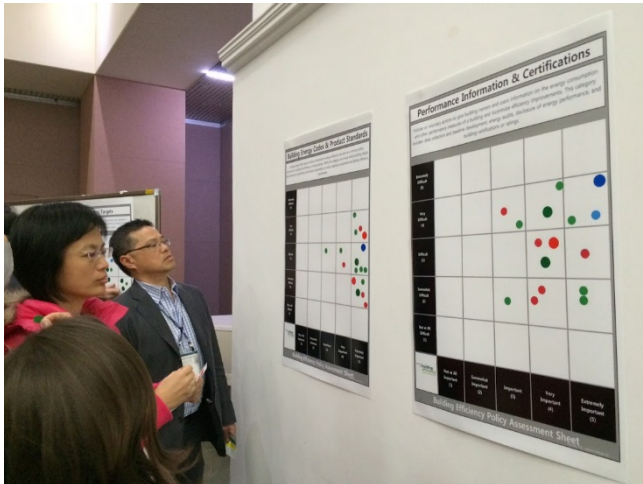
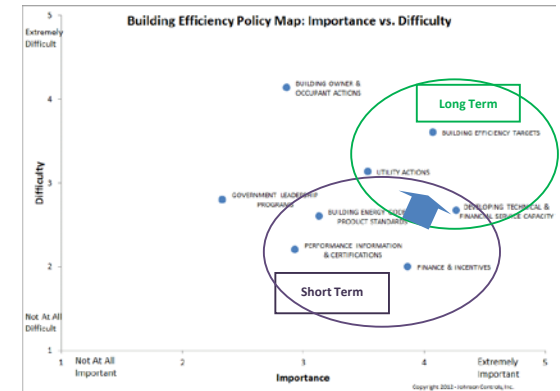
Menu of city-level actions to improve building efficiency

Cross-sector Mechanisms	Codes & Standards	<ul style="list-style-type: none">• Building energy codes and product standards establish minimum requirements for energy performance.
	Targets	<ul style="list-style-type: none">• Targets to align interests and spur action to improve efficiency in the building sector.
	Performance Info & Certifications	<ul style="list-style-type: none">• Data, baselines, disclosure and certifications for market differentiation of building performance or attributes.
	Finance & Incentives	<ul style="list-style-type: none">• Programs and incentives to provide funding to building efficiency improvements.
Stakeholder Strategies	Government Leadership Programs	<ul style="list-style-type: none">• Programs to support government efficiency, including public building retrofits and innovative procurement.
	Building Owner & Occupant Actions	<ul style="list-style-type: none">• Building operations, occupant behavior.
	Technical & Financial Services Capacity	<ul style="list-style-type: none">• Market development and skilled workforce for private providers of building construction, services & equipment
	Utility Actions	<ul style="list-style-type: none">• Planning and programs by utility companies for energy efficiency improvement.

Source: Institute for Building Efficiency, *Driving Transformation* (2012) and WRI.

Building Efficiency Policy Assessment Tool

- Workshop tools to obtain stakeholder input for prioritizing and sequencing actions
- Part of *Driving Transformation*, and forthcoming WRI update
- Available for download at <http://bit.ly/1RP3wLa>



Case Study: Mexico City

- September 2014 commitment from Mexico City government to:
 - Implement a building energy code
 - Retrofit public buildings
- Launch event and workshop for common vision – March 2015
 - 100 multi-stakeholder participants – including city government, federal government, businesses, finance, civil society and consulting
- Action plan now underway: 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: January 2015-October 2016



Tanya Muller, Secretary of the Environment, discussing Mexico City's leadership actions



Mayor Mancera at COP21 Buildings Day



Case Study: Mexico City

March - May 2015

June - August

Sept. - Nov.

Dec. '15 - Nov. '16

Exploration

Examination

Evaluation

Implementation

Launch Workshop

Taking stock and developing a vision

- Where are we today?
- What do we want to accomplish?

Working Group meetings and technical workshop

What are the barriers?

- Political
- Economic
- Technical
- Administrative

Recommendations developed and presented to Mexico City government:

- Code implementation
- Building retrofits
- Financing program
- Administrative/procurement

Work plan leveraging partner competencies

Activities:

- Code adoption
- Code implementation
- Building audits
- Building retrofits
- Financing
- Administrative changes

Next Steps

We welcome new national and sub-national partners!

Upcoming Commitment and Recognition Opportunities

- Climate Action 2016 Summit – Washington May 2016
- Energy Efficiency Global Forum – Washington May 2016
- International Sustainable Building Conf. – Costa Rica May 2016
- Global Green Growth Forum – Copenhagen June 2016

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

World Resources Institute, WRI Ross Center for Sustainable Cities

Jennifer Layke, Director, Building Efficiency Initiative, JLayke@wri.org

Eric Mackres, Manager, Building Efficiency Initiative, EMackres@wri.org

www.se4all.org/energyefficiencyplatform/building-efficiency/