Tracking Progress for Building Efficiency Accelerator

Ksenia Petrichenko

Building Efficiency Accelerator Webinar Series
BEA Tracking Progress Framework for Cities

- **RECOMMENDATIONS**
  - provided for cities

- **REPORTING TEMPLATE**
  - to be filled by cities

Cross-cutting:
- Building Energy Codes
- Energy performance certification of buildings
- Energy efficient renovation programmes
- Energy efficiency finance
- Sustainable procurement regulation
Recommendations for Commitment Stage

A formal commitment to implement a policy or policy package

- Formulate the overall target to be achieved in the result of policy development
- Ensure that the target is realistic, but ambitious
- Indicate the potential realistic timeline
- If possible, define the priority areas within the building sector
Recommendations for Assessment Stage

Assessment consultation:
- Engage relevant stakeholders
- Discuss potential policy instruments on energy efficiency in buildings

Baseline assessment:
- Conduct a review of the status of energy efficiency in the building sector and effectiveness of the existing energy efficiency policies

Energy efficiency policy roadmap:
- All key stakeholders are involved into the selection process
- Necessary pre-conditions for selected policy instruments’ implementation are taken into account
- Selection of the policy instruments is in line with the overall policy goals of a city
- A realistic timeline for policy development and implementation is specified
### BEA Action Areas - Policy Instruments

<table>
<thead>
<tr>
<th>Building Energy Codes</th>
<th>Energy performance certification of buildings</th>
<th>Energy efficient renovation programmes</th>
<th>Energy efficiency finance</th>
<th>Sustainable procurement regulation</th>
</tr>
</thead>
</table>

- high rate of construction
- high compliance with regulation
- availability & affordability of EE technologies and capacity
- appropriate level of awareness
Recommendations for Development Stage

Target setting:
- Ambitious, yet realistic, target for building energy performance in accordance with the building energy code is set

Policy design:
- Simple designs to minimize administrative costs
- Target buildings with the largest energy saving potential
- Include a regular inspection mechanism
- Set the stringency to achievable levels
- Describe the applicable penalties for non-compliance
- Include monitoring and evaluation strategy

Policy support:
- Select other policy instruments to support implementation of the building energy code
Recommendations for Implementation Stage

Adoption:
- Adoption of the building energy code by the city

Enforcement:
Collect or estimate data for the following indicators:
- Number of buildings constructed in compliance with the building energy code
- Number of buildings renovated in compliance with the building energy code
- Average floor area of one building or total actual floor area of constructed/renovated buildings
- Average specific energy use (metered or estimated) per square meter of the floor area of constructed/renovated buildings

Verification:
- Data on the certified buildings complied with the building energy code and information to verify effectiveness of the enforcement process are collected
Recommendations for Improvement Stage

**Review:**
- Use collected information to go back to stage 1 to conduct an updated assessment of opportunities to improve the building energy code

**Update:**
- Use collected information to go back to stage 2 to develop an updated building energy code
Tracking Implementation of Building Energy Codes and Certification

QUESTIONS & ANSWERS

Building Efficiency Accelerator Webinar Series