



APEC Program--Building Code Harmonization in Energy Smart Community
Project Background







It might be easier to have a cluster of buildings that achieve nearly zero energy than just one single building when the district has energy smart production, transfer, storage and utilization.

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Previous International Collaboration in APEC



March 6th 2013 Miraflores Hilton Hotel Lima, Peru
A Joint APEC-ASEAN Workshop
Sharing Experiences in the Design and Implementation
of Green Building Codes



- Factors for success of Code Development
- •lessons learned of Code Implementation
- Approaches to compliance of Code Enforcement
- Monitoring and Review Methodology
- •Green Elements vs. Green Code
- •Existing approaches of Green Measurement

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APEC-EWG-EGEEC - 41 XC



11-12 April 2013 North Star Continental Grand Hotel Beijing, China

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APEC Program--Building Code Harmonization in Energy Smart Community

Proposing APEC economy: China

Co-sponsoring economies: Hong Kong-China, Singapore, Canada,

Japan ,Thailand, New Zealand, USA.

Start date: July 2013

Completion date: December 2014

Total Budget: 204,400 USD. APEC funding:120,000USD, Self-funding:84,400

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Focus Area:

- •Net Zero Energy Definition, technology roadmap and pilot projects among APEC economies.
- Building Energy Codes upgrading Potential in the future.
- Technology Integration in Energy Smart Community.
- Building energy codes harmonization in energy smart community.

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APEC-Building Code Program Introduction

APEC Program--Building Code Harmonization in Energy Smart Community

Outcome:

Two information and experience sharing workshops:

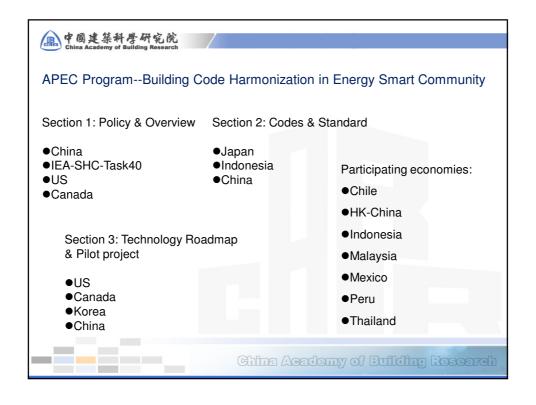
- 1.APEC-Net Zero Energy Building workshop (Oct 2013 Beijing. China)
- 2.APEC-Smart Energy Community workshop (to be determined, Best be joint with next EGEEC meeting in China)

Reports:

- 1. Experience sharing of Building Energy Codes upgrading among APEC economies
- 2.Balancing single building and community towards net zero energy
- 3. Building Codes Harmonization in Energy Smart Community

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Future Work

- APEC-Smart Energy Community workshop (to be determined, Best be joint with next EGEEC meeting in China)
- Building Codes Harmonization in Energy Smart Community

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