

# APEC Low Carbon Town Promotion and the Linkage with EC2

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# 1. 背景

- 中国要实现工业化、城镇化、信息化、农业现代化,必须要走出一条新的发展道路。中国明确把生态环境保护摆在更加突出的位置。我们既要绿水青山,也要金山银山。宁要绿水青山,不要金山银山,而且绿水青山就是金山银山。
- 随着全球经济的发展,能源需求也在不断地增长,因此在应对气候变化、减缓碳排放等问题上面临的挑战更加突出。通过建设低碳城镇,降低城镇发展过程中的温室气体排放,可有效缓解日益突出的能源与环境问题。

# 1. Backgrounds

- To achieve industrialisation, urbanisation, information technology and agricultural modernisation, China needs to embark on a new development pathway. China has unequivocally put ecology and environment protection in a more prominent position. We want a healthy environment as well as material assets. We would prefer a healthy environment to material assets; although a healthy environment is indeed our most important material assets.
- Global economies keep growing, so does energy demand and resource utilization. Consequently, global challenges such as climate change, environment and ecological degradation have become more prominent and pressing. The Low-Carbon Town will be an innovative and effective pathway to reconcile the needs for a better life and the actions for carbon emission reduction and environmental protection.

## 2. APEC低碳示范城镇

- 2010年6月，APEC第九届能源部长会议上推出了APEC低碳示范城镇项目并确定天津于家堡金融区为首例低碳示范城镇。



## 2. APEC LCMT

- In June, 2010, the 9th APEC Energy Ministerial Meeting was held in Fukui, Japan. During the meeting, Ministers of China and Japan launched a joint APEC Low-Carbon Model Town Project and Tianjin Yujiapu CBD was nominated as the first LCMT.



### 3. 中国城镇化的低碳发展

- 中国正处于快速城镇化的进程中，到2013年，常住人口城镇化率为53.7%，城镇地区已成为能耗和碳排放的集中区域，发展低碳城镇是中国应对气候变化的重要内容。
- 国家各政府部门积极推动低碳城镇的发展。至2015年，我国会建设100个新能源城市，200个绿色能源示范县，1000个新能源示范区和10000个新能源示范镇。
- 2010年和2011年，我国领导人在出席APEC领导人峰会时，两次提出积极发展低碳示范城镇项目的倡议。2012年，国家能源局向APEC第20届领导人峰会提交了《APEC低碳示范城镇项目—中国发展报告》。

### 3. Low Carbon in Chinese Urbanization

- China is in rapid urbanization process, and the urbanization rate has reached 53.7% by 2013. The urban area takes great part of energy consumption and carbon emission. Low carbon towns have attracted more and more attention from Chinese government.
- State government organizations implemented series of policies and measures to promote low-carbon town. By 2015, China will build 100 new energy city, 200 green energy demonstration counties, 1,000 new energy demonstration zones and 10,000 new energy demonstration town.
- In 2010 and 2011, when attending APEC Leaders' Meeting, the development of Low-Carbon Town Project was proposed twice by the Chinese leaders. In 2012, National Energy Administration (NEA) officially submitted the APEC Low-carbon Model Town Project — Development Report of China to the 20th APEC Leaders' Meeting.

## 4. APEC低碳城镇推广活动

- 2014APEC中国年第22届领导人峰会在北京召开，APEC能源部长会议也首次在中国召开。为了促进中国的低碳城镇建设，提升APEC区域能源可持续发展水平，在天津于家堡首例APEC低碳示范城镇项目的基础上，国家能源局启动了“APEC低碳示范城镇推广活动”，建设低碳城镇项目库，选取典型代表城镇试点，通过引进国际先进理念和技术，推动大量的新城建设和老城改造中低碳、绿色、生态与可持续理念和技术的落地，通过实体项目合作，推动低碳城镇发展。

## 4. APEC Low Carbon Town Promotion

- The 22th APEC Leaders' meeting will be held in China this year, and the APEC EMM is to be firstly held in China too. In order to promote the Low Carbon Town development, to increase the energy sustainable level in APEC region, based on the first APEC LCMT project of Tianjin Yujiapu, the NEA initiated the "APEC LCMT Promotion Activity", to construct the LCT project database, to select the representatives, by introducing the international advanced methodologies and technologies through solid projects, to promote the Low Carbon Town development.

## 4. APEC低碳城镇推广活动

- 4.1 推广活动启动会
- 2013年7月22日国家能源局副局长张玉清在钓鱼台大酒店主持召开“APEC低碳示范城镇推广活动启动会”。与会单位包括国家发展改革委员会、国家住房发展建设部、国家开发银行、中国外交部等国家各部委；地方政府部门、大型国企央企、大型民营企业集团、知名高校和世界500强企业。启动会讨论了推广活动的工作方案，建立了核心工作团队，提出了后续工作机制。



## 4. APEC Low Carbon Town Promotion

- 4.1 Kick-off meeting of Low Carbon Town Promotion
- On 22 July, 2013, Zhang Yuqing, the Vice Administrator of NEA, chaired the *Kick-off meeting of APEC Low-Carbon Town Promotion* at Diaoyutai Hotel. The participants include National Development and Reform Commission (NDRC), Ministry of Housing and Urban-Rural Development (MHURD), Ministry of Foreign Affairs (MFA) and China Development Bank, local governments, government-owned big enterprises, famous Universities, and world Top 500 companies. At the kick-off meeting, the participants had detailed discussion on the implementation plan for promotion activities, established a project core management and coordination team and proposed future working mechanism.



## 4. APEC低碳城镇推广活动

- 4.2 APEC低碳示范城镇指标体系评审会暨项目单位座谈会
- 2014.1.22日国家能源局张玉清副局长在中国职工之家饭店主持召开了APEC低碳示范城镇指标体系评审会暨项目单位座谈会，来自外交部、国家能源局、发改委、住建部、国家开发银行、各级地方政府、科研机构、项目单位、各级企业等百余人代表出席。会上张玉清副局长宣布了26家低碳城镇项目成功进入APEC低碳城镇推广活动首批项目库。由中节能咨询公司编制的《APEC低碳城镇指标体系》经过了APEC经济体专家的评审，为后续入库项目的评选提供了依据。



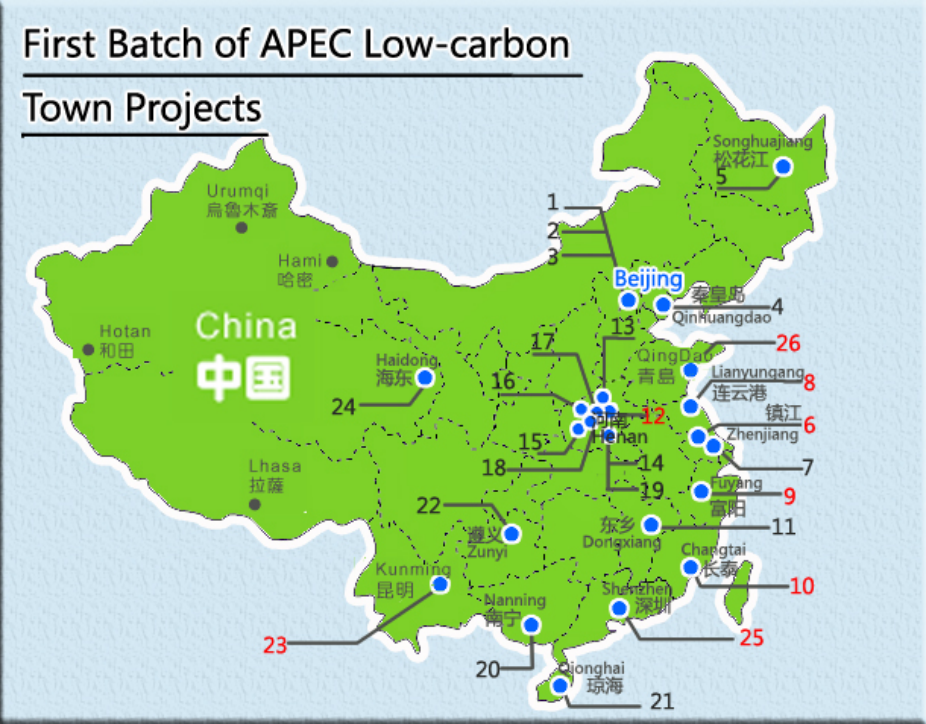
## 4. APEC Low Carbon Town Promotion

- 4.2 Index System Review and Communication Meeting
- Zhang Yuqing, Vice administrator of the National Energy Administration hosted APEC LCMT Index System Review and Communication Meeting in China People's Palace. More than a hundred delegates from the Foreign Ministry, the National Energy Administration, the National Development and Reform Commission, the Ministry of Housing and Urban-Rural Development, China Development Bank, local government, research institutions, the project unit and business representatives participated. Mr. Zhang announced that the first batch 26 LCT projects have been successfully entered the APEC LCT project database. The APEC LCT Indicator System composed by the CECEP was evaluated by the APEC experts. The indicator system provides evaluation basis for the LCT projects in the database.



# 4. APEC低碳城镇推广活动

- 首批入库项目清单与分布



# 4. APEC Low Carbon Town Promotion

- First batch LCT projects

The First Batch of APEC Low-Carbon Town Projects

NO.	Project Name	No.	Project Name
01	Low-Carbon Town of Yanqi Lake Ecological Demonstration Area	14	New District Construction of Shenhou Ancient Town
02	Low-Carbon Demonstration Town Construction of Yangqing County	15	APEC Low-Carbon Demonstration of Lingbao City
03	Low-Carbon Demonstration Town of Lize Financial Business District	16	Low-Carbon Town of Jidong New Area
04	Xuejiaying Low-Carbon Demonstration Town of Beidaihe New District	17	Low-Carbon (New Energy) Industry Demo of Industry Cluster District
05	APEC Low-Carbon Demonstration Town of Songhuajiang Farm	18	Low-Carbon Renovation of Luoyang Industrial Park
06	Guantang New Town of Zhenjiang City	19	New District Construction of Yanling County
07	Low-Carbon Demonstration Town of Tongzhou Bay New Town	20	Core Area Low-Carbon Demonstration Pilot of Wuxiang New District
08	Yunhu Core Area of Xuwei New District	21	International Medical Tourism Pilot District of Lecheng, Boao Town
09	Yinhu Sci-Tech Town of Fuyang Economic-Technological Development Zone	22	Maotai Ecocycle Economic Industrial Demonstration Park
10	Haidi Cultural & Creative Low-Carbon Town	23	Chenggong Low-Carbon Town Pilot Project
11	Cross-Strait Low-Carbon Demonstration Area	24	Zhongguancun High-Tech Industry Base and Haidong Technology Park
12	Shangwang APEC Low-Carbon Demonstration Town	25	Shenzhen International Low-Carbon City
13	Qinnan Park of Qinyang Industry Cluster Zone	26	Smart Low-Carbon Technology Park of MU-Train-Based Town



## 4. APEC低碳城镇推广活动

- 4.3 APEC低碳示范城镇项目评审会
- 2014年8月20-22日，受国家能源局委托，在北京怡生园国际会议中心，中节能咨询公司组织了首批入库的26个低碳示范城镇项目的评审。十位国内低碳城镇领域的知名专家对项目单位送交的低碳发展规划进行了详细的评审，最终评选出了用于今天展示的一批优秀规划成果项目。



## 4. APEC Low Carbon Town Promotion

- 4.3 APEC LCT projects review meeting
- On Aug.20-22, 2014, CECEP organized the review meeting for the first batch 26 LCT projects in Beijing Yishengyuan International Conference Center, commissioned by the NEA. Ten experts evaluated the low carbon planning from project owners, and after careful evaluation, the projects with excellent planning were selected. These are the exhibitions now you are watching.



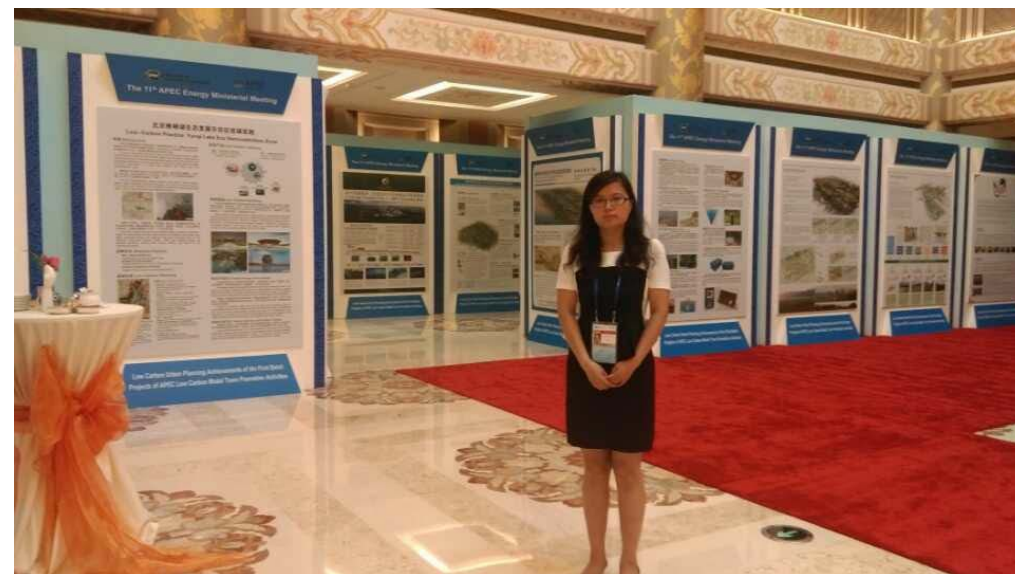
## 4. APEC低碳城镇推广活动

- 4.4 取得的主要成果
- **2014年9月2日** 北京钓鱼台国宾馆第11届APEC能源部长会议期间举办“APEC低碳示范城镇推广活动首批入库项目优秀规划成果展”。



## 4. APEC Low Carbon Town Promotion

- 4.4 Main achievements
- On Sept.2, 2014, during the 11<sup>th</sup> EMM in Diaoyutai Guest House, exhibit on the “Excellent Low Carbon Planning of LCTs”



## 4. APEC低碳城镇推广活动

- 4.4 取得的主要成果

28.我们赞赏亚太经合组织低碳示范城镇项目及其推广活动的进展。我们强调生态城市 and 智能城市合作项目的重要性，同意探讨实现绿色城镇化和可持续城市发展的途径。

**——摘自2014年APEC第二十二次领导人非正式会议宣言附件三“亚太经合组织经济创新发展、改革与增长共识”**

10.低碳城镇可以产生更高的能源效率，资源节约，环境保护和经济发展。我们赞赏APEC低碳示范城镇（LCMT）项目的进展和推广活动取得的成果。各成员应交流思想、技术和在发展低碳城镇方面的经验，加强在该领域的务实合作。同时，我们同意继续实施节能智能社区倡议（ESCI），建立ESCI知识共享的平台，分享最佳实践和加强能力建设。

**——摘自2014年第11届APEC能源部长会议《北京宣言》**

## 4. APEC Low Carbon Town Promotion

- 4.4 Main achievements

We applaud progress made in the APEC Low Carbon Model Town Project and the promotion activities under it.

--from 2014 Leaders' Declaration, **Annex C-APEC Accord on Innovative Development, Economic Reform and Growth**

10. Low-carbon towns can contribute to higher energy efficiency, resource conservation, environmental protection and economic development. We applaud the progress in the APEC Low Carbon Model Town (LCMT) Project and the promotion activities under it. Member economies should exchange ideas, technologies, and experience in developing low-carbon towns and strengthen practical cooperation in this area. At the same time, we agree to continue to both implement the Energy Smart Community Initiative (ESCI) and build the ESCI Knowledge-Sharing Platform to share best practices and enhance capacity building.

--from 2014 EMMs' Statement

## 5. EC2-APEC低碳城镇项目

- APEC低碳城镇推广活动希望通过开展国际合作，促进中国低碳城镇发展。为了借鉴欧洲先进的低碳城镇发展经验，为中国低碳城镇推广活动提供技术支持，在项目第五年度内，中欧清洁能源中心EC2安排专门预算委托国家发展和改革委员会能源研究所，按照欧盟的采购规则选择一家机构开展相关活动。
- 项目任务包括：
  - A. 低碳示范城镇的相关能力建设、培训和会议；
  - B. 深圳国际低碳城龙岗区制定低碳城镇指标体系；
  - C. 江苏连云港市徐圩新区云湖核心岛低碳城镇发展规划研究。

## 5. EC2-APEC LCT Projects

- The present assignment takes place within EC2 Annual Work Plan 5 in relation to the initiative Low-carbon Model Town\_EU-China Bridge. EC2 has been asked by NEA to provide methodological support based on European experience on two Low Carbon model districts among 25 Chinese cities that are part of the APEC LCMT scheme promotion of the LCMT initiative as well as business opportunities arising thereof through EC2 platform.
- Services to be provided:
  - A. Capacity building, training and promotion on LCMT
  - B. Support to Shen Zhen International Low-Carbon City
  - C. Support to Lian Yungang city Project



## 5. EC2-APEC低碳城镇项目

- 深圳国际低碳城和江苏徐圩项目启动



- 深圳国际低碳城和江苏徐圩项目交流会议



## 5. EC2-APEC LCT Projects

- Start up workshops for Shenzhen and Xuwei Projects



- Visits and communications for the two projects





## 5. EC2-APEC低碳城镇项目

- 项目中期成果发布会



- 项目终期成果发布会



## 5. EC2-APEC LCT Projects

- Mid-term workshop to release the project achievements



- Final workshop to release the project achievements



## 5. EC2-APEC低碳城镇项目

- 中欧友好城市促进活动



## 5. EC2-APEC LCT Projects

- EU-CN Twinning cities promotion activities



## 5. EC2-APEC低碳城镇项目

- 已完成：

- 举办低碳城镇方法研讨会
- 组织了两场活动促进中欧友好城市发展
- 在北京组织召开国际研讨会
- 支持深圳国际低碳城建立具有国际水平的指标体系
- 支持连云港徐圩新区建立具有国际水平的低碳发展规划

- 正在进行：

- 支持开展对低碳城镇建设各方提供电子课程培训
- 最终促成5对中-欧友好城市

## 5. EC2-APEC LCT Projects

- Completed:

- A. Organise Workshop on developed methodologies
- B. Two events to Facilitate/strengthen twinning with European Cities
- C. Organise an International Workshop in Beijing
- D. Support to Shen Zhen International Low-Carbon City to develop the index system
- E. Support to LianYungang city Project to develop the low carbon planning

- Ongoing:

- A. Support to organisation of E-learning to APEC LCMT
- B. Finalize the FIVE twinning cites