

The Development Practice and System Construction of Low- Carbon City in China

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Abstract : After the 1990s, the concept of urban sustainable development has been increasing attention in urban planning and urban design. High carbon city, not a sustainable city construction model, has become an important problem which restricts the sustainable development of the city. Therefore, low-carbon city construction is the urgent need to solve the problem, and China is one of the core areas of low-carbon city construction in the world. The research work of low-carbon cities were participated by the Chinese government and academic institutes on theory and practice since 2007, and nowadays it comes to a practice stage with six low-carbon pilot provinces and 36 low-carbon pilot cities identified. To achieve the low-carbon target, developing low-carbon energy, adopting non-pollution technique, constructing green buildings and adopting ecolife-style are suggest by the government. Meanwhile, besides a new standard system and a new eco-environmental status evaluation method, the government also established the Chinese urban development institute including the Low-Carbon City Group. Finally, we want to transform the modern industrial civilization into an ecological civilization and realize sustainable urban development.

Keywords : low-carbon city, China, development practice, system construction, urban sustainability

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