

# **Urban Planning in the Age of Urban Energy Transition – What Is Going on in Megacity Dhaka, Bangladesh?**

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**Key words:** Urban Planning, Residential settlement, Energy Transitions, Mega City

## **SUMMARY**

The transition of urban energy systems to inform sustainable urban planning scholarship is a popular topic of discussion. The related issues of urban form, energy efficiency and modern technologies have already been studied under different urban configurations and scales. Consequently, the energy integrated urban development policies are being adopted - at least in principal- by several urban authorities. However, this paper explores around the topic of urban planning in the context of energy transition by conceptualizing the case of residential settlement planning process and development systems of Mega city Dhaka are discussed. It is widely accepted that each urban residential project is unique within the general systems approach of sustainability. Such schemes at neighbourhood scale are also good starting point or pre-condition to create a truly sustainable community - because all new buildings and facilities are constructed there. Within the scope of this paper, the questions “what is going on?” has addressed by adopting system analysis approach. All data used from secondary sources and key informant interviews with officials, developers, professionals and experts. The case study found that the urban planning has promising potentials for urban energy system transition even in the context of urban Bangladesh. But there are different identified challenges such as capacity building, professionalism and more others have to be addressed. From the technical point of view, there is a growing need for adopting an optimal urban planning framework along with methods, models and tools. The high quality data gap to urban planning and development control in the age of energy transition also has to be tackled.