

Abstract

**METHOD FOR ACCOUNTING CARBON EMISSION OF WATER SYSTEM IN
BUILDING OPERATION PERIOD**

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The present invention relates to a method for accounting carbon emission of a water system in a building operation period. The method includes the following steps: acquiring energy consumption Q_i of the building water system, a building design life y , and a building area A ; and calculating carbon emission C_M per unit of building area in the operation period of the

10 building with the following formula: $C_M = \frac{(\sum_{i=1}^n Q_i q_i) y}{A}$, where q_i denotes a carbon emission factor of an i -th type of energy; and the energy consumption Q_i of the building water system at least includes annual heat consumption Q_w of a building domestic hot water system and electricity consumption Q_e for operation of electric devices in the building water system.

15 (Fig. 1)