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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 13234-2018

Replacing GB/T 13234-2009

Determination of energy savings in organizations

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 13234-2009 "Enterprise Energy Savings Calculation Method", this standard is compared with GB/T 13234-2009, mainly

The technical changes are as follows.

--- Revise the scope of application for the calculation of energy-saving capacity of energy-using units, secondary energy-using units, or energy-using units; delete "other

The calculation of the energy consumption of energy-using units, regions, and countries can also be referred to "" (Chapter 1, Chapter 1 of the.2009 edition);

--- Added "normative references" (see Chapter 2);

--- Revised the definition of "energy saving amount"; deleted "enterprise energy saving amount", "product energy saving amount", "output value saving amount", "technical measures energy saving amount"

Terms and definitions of "product structure energy savings", "single energy energy savings" and "energy saving rate"; increased "energy performance" and "energy performance change"

Advance measures "Boundary" "Base period" "Report period" "Energy benchmark" "Related variables" "Normalized" "Unconventional adjustment" "Static factor"

Language and definition (see Chapter 3, Chapter 3 of the.2009 edition);

---Modified the standard structure, deleted the "classification of enterprise energy savings" (see Chapter 3 of the.2009 edition); added "General Principles" (see

Chapter 4), "Computational Energy Savings by Whole Method" (see Chapter 5), "Measurement Method for Calculating Energy Savings" (see Chapter 6), "Calculation of Energy Saving Rate"

(See Chapter 7), "Requirements" (see Chapter 8) and "Reports" (see Chapter 9). Will "the

basic principles of enterprise energy savings calculation" (see Chapter 4 of the.2009 edition), "Calculation of energy savings for companies" (see Chapter 5 of the.2009 edition) and "Calculation of energy savings" (see

The contents of Chapter 6 of the.2009 edition have been revised to include this standard.

This standard uses the redrafting method with reference to ISO 50047.2016 "Determining the Energy Savings of Energy Saving Organizations", with ISO 50047.

The degree of consistency in.2016 is non-equivalent.

This standard is proposed and managed by the National Energy Foundation and Management Standardization Technical Committee (SAC/TC20).

This standard was drafted. China National Institute of Standardization, China Chemical Information Center, Fangyuan Mark Certification Group Co., Ltd., Beijing Zhicheng Hong Industry Intelligent Control Technology Co., Ltd., Shenzhen Green Creation Living Environment Promotion Center, Shenzhen New Central Energy Technology Co., Ltd.

1 Scope

This standard specifies the general rules, the overall method, the measure method, the calculation of the energy saving rate, and the calculation of the energy saving amount.

And reports.

This standard applies to the calculation of the energy savings of energy-using units, secondary energy-using units or energy-using units.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2589 General rules for comprehensive energy consumption calculation

GB/T 23331 Energy Management System Requirements (GB/T 23331-2012, ISO 50001.2011, IDT)

GB/T 28750 Energy Measurement and Verification Technology General

GB/T 32045 Energy Measurement and Verification Implementation Guide

3 Terms and definitions

The following terms and definitions as defined in GB/T 23331 apply to this document.

3.1

Energy saving

The amount of energy consumption/energy consumption reduced under the condition of meeting the same needs or achieving the same purpose.

3.2

Energy performance

Measurable results related to energy efficiency, energy use and energy consumption.

Note. Rewrite GB/T 23331-2012, definition 3.12.

3.3

Energy performance improvement measures energy performance improvement action; EPIA

Energy saving measures energy conservation measures

A method or action that has been planned or taken within an organization to improve energy efficiency, reduce energy consumption, or improve energy use.

Note. Rewrite GB/T 28750-2012, definition 3.1.

3.4

Boundary boundary

Physical boundaries and site boundaries determined by energy units.

Note 1. A boundary can be a process or a group of processes, a site, an independent device or system, a complete energy unit or an energy unit.

Multiple locations.

Note 2. The boundary of the energy unit can be different from the boundary used to determine the energy savings.

Note 3. The boundary for determining energy savings may include one or more boundaries, such as one or more energy performance improvement measures, or a portion of energy use units.

Note 4. Rewrite GB/T 23331-2012, definition 3.1.