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**INDUSTRY STANDARD OF THE
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YC/T 643-2026

**Methods for evaluating the energy management performance in
cigarette factories
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the State Tobacco Monopoly Administration.

This document is under the jurisdiction of the Enterprise Standardization Subcommittee of the National Tobacco Standardization Technical Committee (SAC/TC144/SC4).

Introduction

To improve the energy management performance of cigarette factories, a relatively complete and highly operable system should be established, taking into account different regions and climates.

An evaluation method that objectively reflects the current energy management performance level of cigarette factories within a specific region can guide cigarette factories in their energy management processes.

By conducting horizontal benchmarking between factories and vertical comparison within factories, as well as self-comparison, we can identify shortcomings affecting energy management performance and pinpoint weaknesses.

This document is formulated to make targeted improvements and enhancements, continuously improve the "green development" level of cigarette factories, and promote the high-quality development of cigarette factories.

Performance Evaluation Methods for Energy Management in Cigarette Factories

1 Scope

This document outlines the basic requirements, evaluation content, and evaluation methods for energy management performance evaluation in cigarette factories.

This document applies to the evaluation of energy management performance in cigarette factories.

2 Normative references

The following documents contain essential clauses through normative references. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 1576 Industrial Boiler Water Quality GB 17167 General Rules for the Configuration and Management of Energy Measuring Instruments in Energy-Using Units GB/T 23331 Energy Management System Requirements and Usage Guidelines GB/T 39775-2021 Guidelines for Energy Management Performance Evaluation YC/T 199 Clean Production Evaluation Criteria for Tobacco Enterprises YC/T 280 Energy Consumption of Tobacco Industrial Enterprises YC/T 432 General Rules for the Configuration and Management of Energy Measuring Instruments in Tobacco Industry Enterprises YC/T 587 Comprehensive Evaluation Method for the Manufacturing Level of Cigarette Factories

3 Terms and Definitions

The terms and definitions defined in GB/T 23331, GB/T 39775, and YC/T 432, as well as the following terms and definitions, apply to this document.

The total energy consumption of a certain production link (production process) of an enterprise during the statistical reporting period.

During the statistical reporting period, the number of quantitative indicators that have been improved in the "Energy Management Performance Evaluation Method for Cigarette Factories" and the total number of quantitative indicators...

ratio.

Note: The percentage is expressed as a percentage; when a quantitative indicator reaches its upper limit, it is considered that the indicator has been improved.

4.1 Evaluation Principles

The performance evaluation of energy management in cigarette factories shall be carried out in accordance with the evaluation principles specified in 4.1 of GB/T 39775-2021.

4.2 Evaluation Criteria

Cigarette factories that conduct energy management performance evaluations should meet the following conditions.