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**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 175-2018

**Requirements for bioenergy sustainability certification
(English Translation)**

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Foreword

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

This standard is proposed and managed by the National Certification and Accreditation Administration.

This standard was drafted. China Quality Certification Center, China Agricultural University, Tsinghua University, Energy and Transportation Innovation Center, China Renewable Energy Society, Shanghai Yixun New Energy Technology Co., Ltd., Daolan New Energy Environmental Protection Technology Co., Ltd., Ministry of Agriculture Planning and Design Institute, National Biodiesel Industry Collaboration Group.

Introduction

Biomass energy is an important renewable energy source. Its production and utilization are in response to global climate change, solving the contradiction between energy supply and demand, and protecting the ecology.

The environment and other aspects play an important role. The development of biomass energy has become an important factor in promoting energy transformation and achieving green and low-carbon development in many countries.

means. The international community has formulated and implemented a whole process of production, processing, conversion, production and sales, and end-use of biomass energy raw materials.

Series of Biomass Sustainable Development Policies, Standards and Certification Systems covering environmental, social and economic sustainability requirements, these policies, the quasi-harmony certification system can effectively avoid the supply of land, ecology and ring to the biomass while promoting biomass energy reduction and greenhouse gas emission reduction.

The negative impacts that may be caused by the environment, economy and society,

promote the balanced and sustainable development of biomass in the three aspects of environment, economy and society.

development of.

The development of China's biomass energy industry is still in its infancy, and the scale of development and utilization is expanding. The development of biomass energy will become an optimized energy knot.

An important way to structure, improve the ecological environment and develop a circular economy. This standard combines the reality of China's biomass energy industry, from the environment, society and economy.

In terms of scientific and operability principles, we propose and formulate China's biomass energy sustainability certification indicators to regulate biomass energy production and the use process promotes and guarantees the sustainable development of China's biomass energy and forms a biosafety sustainability certification standard system that is in line with international standards.

Biomass sustainability certification requirements

1 Scope

This standard specifies the general principles for the certification of biomass energy sustainability, based on the sustainability of environmental, social and economic dimensions.

Specific indicators and traceability requirements for the sustainable management of biomass energy.

This standard is applicable to external evaluation activities such as biomass energy sustainability certification for biomass energy operators, and can also be used for biomass.

Can conduct self-evaluation and self-declaration by operators.

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 30366-2013 Biomass terminology NY/T 1579-2007 Natural Grassland Rating
Technical Specification ISO 13065:2015 Sustainability criteria for bioenergy ISO/T S14067
Greenhouse Gases Product Carbon Footprint Quantification and Information Exchange
Requirements and Guidelines

(Greenhousegases-Carbonfootprintofproducts-Requirementsandguidelinesforquantification andcommunication)

3 Terms and definitions

The following terms and definitions as defined in GB/T 30366-2013 apply to this document. For ease of use, the following is repeated Certain terms and definitions in GB/T 30366-2013.

Biomass

All organic substances formed directly or indirectly by photosynthesis of green plants, including plants, animals and microorganisms other than fossil fuels and organic matter produced by excretion and metabolism of these living organisms. Can be divided into agricultural biomass, forestry biomass, urban solid waste Things, animal waste, etc.

[GB/T 30366-2013, definition 2.1.1] 3.2 Bioenergy the form of energy in which solar energy is stored in the form of chemical energy is biomass, which is the energy of the biomass. It comes directly or indirectly Plant-derived photosynthesis can be converted into conventional solid, liquid and gaseous fuels and is a renewable energy source.

[GB/T 30366-2013, definition 2.4.2] 3.3 Sustainability Environmentally, socially and economically, sustainable development goals that meet contemporary needs without compromising the ability of future generations to meet their needs.

[ISO 13065:2015, definition 3.48] 3.4 Biomass energy supply chain supplychainofbioenergy the entire process from biomass feedstock to biomass energy utilization, including the production, collection, storage, transportation, and biomass of raw materials