



Standards Development Process

# SBP Standard 6: Energy and Carbon Balance Calculation

Revision Draft Version 2 for Public Consultation

(for status see document history on page ii)

Sustainable Biomass Program  
[sbp-cert.org](http://sbp-cert.org)

# Revision Draft v2 for Public Consultation

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(see Standards Development Process Terms of Reference v1, page 29)

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## A Introduction

The Sustainable Biomass Program (SBP) is a certification system designed for woody biomass, mostly in the form of wood pellets and wood chips, used in industrial, large-scale energy production.

SBP's certification system provides assurance that woody biomass is sourced from legal and sustainable sources, and a means to collect and communicate sourcing and greenhouse gas (GHG) data along the supply chain, allowing companies in the biomass sector to demonstrate compliance with regulatory requirements.

There are six SBP Standards, which collectively represent the SBP certification framework, or scheme, against which organisations can be assessed for compliance by independent third-party Certification Bodies (CBs). Wherever possible, the framework takes into account and builds on existing regulatory mechanisms and on voluntary certification standards already applied to other forest product streams or to other biomass sources. An organisation that satisfactorily demonstrates compliance receives a certificate and may be entitled to make SBP claims in relation to its certified biomass.

The SBP framework is made freely available for use by all supply chain actors.

## B How to use this document

Standard 6 certifies end-users, and other legal owners wanting to perform intermediate GHG calculations and pass their calculations on to the next legal owner(s).

To be certified against Standard 6, these organisations need to be certified at minimum against Standard 4 (Chain of Custody) and Standard 5 (Collection and Communication of data). Compliance with Standard 6 alone does not permit any claims to be made on the sustainability of biomass used or supplied.

Legal owners may use the SBP calculator or other GHG calculators to perform GHG calculations without being certified against Standard 6. In this case, the result will not be certified by SBP to be used by other legal owners or against regulators.

The requirements for energy and carbon balance calculations vary between different regulatory frameworks. As such, the methodology other than the methodology of DIRECTIVE (EU) 2018/2001 (REDII), by which calculations shall be made are specified in the associated Instruction Documents which are specific to regulatory requirements. In case requirements in SBP Instruction Documents vary from Standard 6, they supersede the requirements in Standard 6, where applicable. This approach ensures that alternative calculation methods can be included in the SBP standards system in the future with dedicated ID.

## C Scope

Legal owners of biomass are certified against the requirements set by this standard for the calculation of energy and carbon balances, including the evaluation of greenhouse gas savings of biomass supply chains to an end-user.

This Standard sets also rules for end-users to report to SBP on GHG savings calculated in compliance with REDII (EC 2018/2001), for the publication of aggregated data on the positive impact of the SBP scheme.

## **D Normative references**

SBP Standard 4: Chain of Custody

SBP Standard 5: Collection and Communication of Data

SBP Glossary of Terms and Definitions

## 1 General principles

- 1.1 All calculations shall be supported by appropriate evidence which shall be available for verification by certification bodies.

## 2 GHG calculations

- 2.1 Energy and carbon balance calculation shall be undertaken in compliance with the relevant SBP Instruction Notes on energy and carbon balance calculation, according to the relevant markets.
- 2.2 For EU markets that set GHG saving requirements, the organisation shall calculate the GHG savings in compliance with the REDII (EC 2018/2001), using either the SBP GHG calculator, or any other equivalent calculator, which is appropriate to calculate the required data in compliance with the regulatory requirements.
- 2.3 For other markets that set GHG saving requirements, the organisation shall calculate GHG savings in compliance with the regulatory requirements for that market, using a GHG calculator that is appropriate to calculate the required data in a transparent and accepted way.
- 2.4 The organisation shall communicate to SBP aggregated GHG emission data at the transfer point to the next legal owner in [gCO<sub>2</sub>eq/MJ], using either the SBP GHG calculator, or any other adequate GHG calculator.
- 2.5 The organisation shall support all calculations by appropriate evidence based on SBP Standard 5, like SAR and SREG documents, which shall be available for verification by the Certification Body (CB).
- 2.6 The end-user shall communicate aggregated CO<sub>2</sub> emission savings to SBP in % of the applicable GHG reference.

## 3 Quality system

### 3.1 Management system

3.1.1 The organisation shall maintain up-to-date records of all BPs and Traders who are supplying material within the scope of certification under this Standard, including:

- a) The BP's name(s)
- b) The BP's SBP certification code(s), if applicable.

3.1.2 The organisation shall record the following information for all biomass received to which this Standard applies:

- a) Invoice reference(s) or other transaction number
- b) A description of the physical product, including the sustainability characteristics and other data required in the SBP Instruction Document 5E: Collection and Communication of Data
- c) The volume of physical input
- d) The supplier
- e) Transaction date
- f) The certificate numbers of any certified suppliers (in the form SBP-XX-YY)
- g) SBP SDI (in the form SBP-XX-YY-ZZ)
- h) SBP PBid.

### 3.2 Responsibilities

3.2.1 The Certificate Holder shall appoint a management representative that has overall responsibility and authority for the organisation's conformance with all applicable certification requirements.

3.2.2 The organisation shall define the personnel responsible for each requirement of this Standard, together with qualifications and/or training measures necessary for effective implementation of all applicable requirements.

### 3.3 Documented procedures

3.3.1 The organisation shall implement documented procedures covering all applicable certification requirements according to the scope of this Standard and adequate to the organisation's scale and complexity.

3.3.2 The organisation shall ensure that any/all documented procedures are maintained, covering all applicable certification requirements according to the scope of this Standard and adequate to the organisation's scale and complexity, such that they are consistent with the actual and intended practices of the personnel responsible for their implementation.

3.3.3 The last approval date and version number shall be specified in each documented procedure.

### 3.4 Training

- 3.4.1 The organisation shall train its staff to ensure that all applicable certification requirements, and the measures defined in any documented procedures, are consistently and correctly implemented.
- 3.4.2 All relevant staff shall demonstrate awareness of the Certification Holder's procedures, and competence in implementing the organisation's energy and carbon balance calculation management system.

### 3.5 Record keeping

- 3.5.1 The organisation shall maintain complete and up-to-date records for demonstrating conformance with all applicable requirements of this Standard.
- 3.5.2 The organisation shall retain records for a period of at least five (5) years.

### 3.6 Complaints

- 3.6.1 The organisation shall have a documented complaints procedure, defining the controls and related responsibilities and authorities for receiving, handling, and recording complaints relating to conformance with certification requirements, including the following minimum requirements:
- a) Acknowledge receipt of complaints;
  - b) Provide initial response to the complainant, including an outline of the proposed course of action to follow up on the complaint, within two (2) weeks of receiving a complaint;
  - c) Investigate the complaint and specify its proposed actions in response to the complaint within two (2) months of receiving the complaint;
  - d) Take appropriate actions with respect to complaints and any deficiencies found in products that affect conformance with the requirements for certification; and
  - e) Notify the complainant when the complaint is considered to be closed.

NOTE: A complaint may be considered closed when the organisation has gathered and verified all necessary information, investigated the allegations, taken a decision on the complaint, and responded to the complainant.

- 3.6.2 The organisation's complaints procedure shall be publicly available.

### 3.7 Business integrity, social, health and safety requirements in CoC

- 3.7.1 The organisation shall determine and implement measures against corruption, proportionate to the nature and the scale of organisation, and ensure their effectiveness.
- 3.7.2 The organisation shall determine and implement measures to ensure compliance with all applicable laws, rules and regulations in countries where it conducts business activities.