



SCS Global Services Evaluation of Pinnacle Renewable Energy Inc (Meadowbank Division) Compliance with the SBP Framework: Public Summary Report

Third Surveillance Audit

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Completed in accordance with the CB Public Summary Report Template Version 1.4

For further information on the SBP Framework and to view the full set of documentation see www.sbp-cert.org

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1 Overview

CB Name and contact: SCS Global Services, 2000 Powell St. Ste 600 Emeryville, CA 94608

Primary contact for SBP: Maggie Schwartz, mschwartz@scsglobalservices.com

Current report completion date: 16/Jul/2020

Report authors: Ciara McCarthy

Name of the Company: Pinnacle Renewable Energy - Meadowbank Division

Company contact for SBP: Joseph Aquino

Certified Supply Base: British Columbia

SBP Certificate Code: SBP-04-29

Date of certificate issue: 18/Dec/2017

Date of certificate expiry: 17/Dec/2022

This report relates to the Third Surveillance Audit

2 Scope of the evaluation and SBP certificate

Scope of evaluation:

Third annual surveillance audit to assess the CH's conformance to SBP standards 1, 2, 4, and 5 and respective Instruction Notes and Documents. The audit included on-site visits to the pellet mill in Meadowbank and forest level evaluations. Port facility, Fibreco Export Inc. in Vancouver, BC, Canada was also visited as part of this audit.

Scope of certificate:

This certificate covers production and distribution of wood pellets, for use in energy production, at Pinnacle pellet mill in Meadowbank, BC and rail transportation to port facility Prince Rupert and/or Fibreco Export Inc. for storage, aggregation and seafaring vessel loadout. The scope of the certificate includes Supply Base Evaluation for the Province of British Columbia, and the communication of dynamic batch sustainability data.

3 Specific objective

The specific objective of this audit was to confirm that the Biomass Producer's management system is capable of ensuring that all requirements of specified SBP Standards are implemented across the entire scope of certification.

The following critical control points were identified and evaluated:

Processes for procurement and processing, transport and storage

The overall system in Pinnacle procurement, production and sales process include several critical control points. The feedstock is received from several different suppliers and is stored in the warehouse. The material is weighed on the truck scaled and a load slip is issued which includes supplier name, address, origin, type of feedstock and quantity.

Volume accounting method

The volumes are recorded on the inventory spreadsheets and for PEFC certification, PEFC credit table has been developed.

Documentation of transactions

The DTS is used for any SPB related transactions and all transactions are recorded in DTS.

Energy data collection and reporting

The Energy data is recorded on GHG spreadsheet. Auditor reviewed GHG spreadsheet, DTS, PEFC ledger and load slips to ensure material is tracked throughout critical control points.

4 SBP Standards utilised

4.1 SBP Standards utilised

Please select all SBP Standards used during this evaluation. All Standards can be accessed and downloaded from <https://sbp-cert.org/documents/standards-documents/standards>

- SBP Framework Standard 1: Feedstock Compliance Standard (Version 1.0, 26 March 2015)
- SBP Framework Standard 2: Verification of SBP-compliant Feedstock (Version 1.0, 26 March 2015)
- SBP Framework Standard 4: Chain of Custody (Version 1.0, 26 March 2015)
- SBP Framework Standard 5: Collection and Communication of Data (Version 1.0, 26 March 2015)

4.2 SBP-endorsed Regional Risk Assessment

Not applicable

5 Description of Company, Supply Base and Forest Management

5.1 Description of Company

Pinnacle owns and operates seven pellet plants, one deep-water port and leases space at another port all in the British Columbia (“BC”). Collectively the pellet plants produce more than one and a half million tonnes annually. All Pinnacle plants operate 24 hours a day, seven days a week. The pellet plants are located in the BC communities of Houston, Burns Lake, Meadowbank, Williams Lake, Smithers, Armstrong and Lavington. Smithers just started operating in 2018. In total, more than 250 people are employed by Pinnacle in those communities. In addition to the production facilities, Pinnacle operates a port in Prince Rupert called Westview Wood Pellet Port where pellets from Pinnacle’s northern facilities (Meadowbank & Burns Lake) are transported. Pinnacle also leases space at Fiberco Export Inc., a deep-water port in Vancouver, B.C. Pellets produced at the southern plants are transported to Fiberco.

The Meadowbank wood pellet production facility is located in Strathnayer, BC. The Meadowbank facility has a production capacity of approximately 220,000 metric tons of pellets per year. Pellets produced at this plant are transported by rail to the Westview Wood Pellet Port in Prince Rupert, BC for export to European utilities.

5.2 Description of Company’s Supply Base

All primary fibre supplied to Pinnacle Renewable Energy Inc. (PREI) originates in the Province of British Columbia (BC), Canada, excluding Vancouver Islands. BC’s land base is 95 million hectares of which 62% or (55 million hectares) is forested, where only 24% is available for harvest. Approximately 83% of BC’s forests are coniferous leading, 6% are mixed forests containing both coniferous and deciduous species and 6% are deciduous leading. Six million hectares (approximately 15%) of BC’s forests are in protected areas and 13% of all forests in protected areas are 141-250 years old. BC is Canada’s most ecologically diverse province containing coastal and inland temperate rainforests, dry pine forests, sub-alpine forests, and other forested ecosystems.

95% of BC’s forests are a government/publically owned resource. As such BC is a global leader in terms of forest legislation and certification. Approximately 52 million hectares of forest in BC is covered by third-party certification (e.g. SFI, FSC, CSA) or meets specific criteria required for environmental management systems (e.g. ISO 14001).

Meadowbank procures all of their feedstock from both primary and secondary sources. Pinnacle's internal fiber procurement group is responsible for implementing and maintaining conformance to the Programme for the Endorsement of Forest Certification (PEFC™) CoC Standard, which operates as the platform to the Sustainable Biomass Partnership Standards. Primary and Secondary feedstock is sourced through their PEFC Due Diligence system from primary suppliers and secondary sawmill suppliers. Sawmills source high-quality logs from the forest and mill them into products like two-by-fours. Meadowbank procures the sawdust and shavings generated by these sawmills. Meadowbank does not source tertiary fibre.

5.3 Detailed description of Supply Base

The area of BC is 55 million hectares of forestland. 83% of BC's forests are coniferous leading, 6% are mixed forests containing both coniferous and deciduous species, and 6% are deciduous leading. The total annual volume of primary feedstock is 5% of the total fibre consumed by Meadowbank. Pinnacle does not own or manage and forest tenures and only purchases fibre on the open market. The total annual volume of secondary feedstock procured by Meadowbank is approximately 95% of the total. Approximately 73% of the secondary feedstock is certified to a SBP-approved CoC Scheme. The total annual volume of tertiary feedstock is 0% of the total. A quantitative description of the Supply Base can be found in Meadowbank's Supply Base Report area.

5.4 Chain of Custody system

Joseph Aquino, Director of Sustainability, is the person responsible for implementing the PEFC Chain of Custody system and also manages the organizations SBP management system. The organization operates the percentage based method for controlling PEFC claims based on volume credits. Pinnacle also verifies PEFC Controlled Sources through a DDS including a risk assessment covering British Columbia.

All wood fibre is tracked through the process from the District of Origin through the mill to the final bill of sale. Pinnacle uses a database to gather and control information related to the feedstock such as supplier name, scale tickets, fibre type, certification, and district of origin. Pinnacle has appropriate control mechanisms to calculate output volumes, claims and trademark/logo approval. Additionally, Pinnacle conducts an annual Management Review of the commitments, programs and procedures to evaluate the overall effectiveness of the SBP management system.

The organizations PEFC management system and procedures were previously evaluated by another certification body and no open nonconformities exist. The organization has detailed and comprehensive procedures and databases to cover the necessary requirements regarding the SBP-approved Chain of Custody system

6 Evaluation process

6.1 Timing of evaluation activities

Activity	Location	Persons Involved	Time
Desk review (pre-audit)	Auditor Office	SCS Ciara McCarthy	8 Hours
Opening meeting and surveillance audit	Pinnacle Head Office in Prince George, BC	Pinnacle: Joe Aquino SCS Ciara McCarthy	4 Hours
Site walkthrough	Pinnacle mill – Meadowbank Division	Pinnacle: Plant Manager, Plant Operator, Plant Accountant. SCS Ciara McCarthy	2 Hours
Standard 1 and 2. Field visits, facility walkthrough.	Burns Lake, Smithers, Meadowbank, Houston, Williams Lake, Armstrong, Lavington,	Joe Aquino and Josh McQuillin – Pinnacle Renewable Herve Bescond – SCS Global Services	2 days
Port visit	Fibreco	Pinnacle: Joe Aquino SCS Ciara McCarthy	2 Hours

6.2 Description of evaluation activities

Desk review:

The desk review consisted of a review of the Supply Base Report (SBR), Audit Report on Energy and GHG Data (SAR), Static Biomass Profiling Data sheet, PEFC and SBP procedures, Health and Safety procedures, suppliers list, product groups PEFC certificate validity check and review of last PEFC audit report.

Surveillance audit:

The on-site audit included an audit of the SBR, documented management system, work instructions, training plan and training records, health and safety procedures and commitment, and procedures on collection and communication of greenhouse gas data. The appropriate personnel were interviewed to cover all aspects of the audit and certificate scope and the SBP requirements.

A tour of the site including a tour of the pellet plant in Meadowbank from receiving, storage, hammer mills, dryers, pelletization, cooling, storage to loading. Furthermore, the scale was inspected, and records reviewed at the scale house.

The audit methods consisted of review of documentation, records, websites, emails, databases and staff interviews. The site tour and visits were evaluated by review of documentation, monitoring results, observations, and interviews.

6.3 Process for consultation with stakeholders

SCS launched their stakeholder consultation for the main evaluation audit of Pinnacle facility prior to the onsite audit. Stakeholders had the opportunity to present their points of view to the auditor(s) in confidence.

Geographical area(s): The geographical area for the stakeholder consultation is the same as the supply areas identified in the company's Supply Base. This area is, at minimum, at the level of the province of British Columbia.

List of Stakeholders invited: SCS relies on its Master Stakeholder List, which contains stakeholders that are identified by type, e.g. ENGO, Government/regulatory, Educational/Academic, Industry, Indigenous/Aboriginal/Tribal, etc. This list is categorized by country and state/province at the very least, and for this consultation was filtered to omit any stakeholders that were not geographically relevant to the certificate-holder/applicant's supply area(s). Relevant FSC Network Partners were also included in the invitation process.

No stakeholder comments were received by SCS or have come to the attention of SCS and the audit team.

7 Results

7.1 Main strengths and weaknesses

Pinnacle's staff, which include registered professional foresters who have a strong knowledge of the B.C. forestry industry, practices as well as a good working relationship with their suppliers. The organization has a very comprehensive and detailed management and procedural system in place which covers all aspects of the SBP audit scope and the underlying PEFC chain of custody certification. The databases to keep track of qualitative and quantitative information are well managed, readily accessible and featured all information as requested by the auditor. Procedures, commercial documentation, records on paper were also easily accessible throughout the audit.

7.2 Rigour of Supply Base Evaluation

Adequate management systems in place for supply base evaluations. Weaknesses and opportunities noted in section 10 as necessary.

7.3 Collection and Communication of Data

The auditor confirmed the Greenhouse Gas (GHG) sources for feedstock input from the forest, production at the facility, transportation to the port and storage and handling at the port and reviewed how the input data was measured. Findings were substantiated by on-site staff interviews with operations personnel on the overview of the operations at the facility, historical operations, changes to operations, procedures and processes used to maintain the facility, and procedures and processes used to ensure data quality. Meadowbank division demonstrated full competency to analyse and report the required data

7.4 Competency of involved personnel

Pinnacle's fibre procurement team are registered professional foresters in the Province of British Columbia with local forestry experience and knowledge of ecological and social values associated with the supply base, applicable laws and regulations, business management practices, operation of suppliers, and the local forest resource. Pinnacle assigned management with appropriate skills and competency to implement and execute the management and control systems relating to SBP compliance. Management interviewed during the assessment were found to be knowledgeable of the SBP requirements.

7.5 Stakeholder feedback

No stakeholder feedback was received. No other comments from stakeholders came to the attention of SCS and the audit team.

The audit team conducted interviews with 8 suppliers located in British Columbia. The interviews were positive and showed conformance with standards. One minor non-conformity was identified through interviews and is detailed in the non-conformity section 10.

7.6 Preconditions

None

8 Review of Company’s Risk Assessments

Describe how the Certification Body assessed risk for the Indicators. Summarise the CB’s final risk ratings in Table 1, together with the Company’s final risk ratings. Default for each indicator is ‘Low’, click on the rating to change. Note: this summary should show the risk ratings before AND after the SVP has been performed and after any mitigation measures have been implemented.

Click or tap here to describe how the Certification Body assessed risk for the Indicators.

Table 1. Final risk ratings of Indicators as determined BEFORE the SVP and any mitigation measures.

Indicator	Risk rating (Low or Specified)		Indicator	Risk rating (Low or Specified)	
	Producer	CB		Producer	CB
1.1.1	Low	Low	2.3.3	Low	Low
1.1.2	Low	Low	2.4.1	Low	Low
1.1.3	Low	Low	2.4.2	Low	Low
1.2.1	Low	Low	2.4.3	Low	Low
1.3.1	Low	Low	2.5.1	Low	Low
1.4.1	Low	Low	2.5.2	Low	Low
1.5.1	Low	Low	2.6.1	Low	Low
1.6.1	Low	Low	2.7.1	Low	Low
2.1.1	Low	Low	2.7.2	Low	Low
2.1.2	Low	Low	2.7.3	Low	Low
2.1.3	Low	Low	2.7.4	Low	Low
2.2.1	Low	Low	2.7.5	Low	Low
2.2.2	Low	Low	2.8.1	Low	Low
2.2.3	Low	Low	2.9.1	Low	Low
2.2.4	Low	Low	2.9.2	Low	Low
2.2.5	Low	Low	2.10.1	Low	Low
2.2.6	Low	Low			
2.2.7	Low	Low			
2.2.8	Low	Low			
2.2.9	Low	Low			
2.3.1	Low	Low			
2.3.2	Low	Low			

Table 2. Final risk ratings of Indicators as determined AFTER the SVP and any mitigation measures.

Indicator	Risk rating (Low or Specified)	
	Producer	CB
1.1.1	Low	Low
1.1.2	Low	Low
1.1.3	Low	Low
1.2.1	Low	Low
1.3.1	Low	Low
1.4.1	Low	Low
1.5.1	Low	Low
1.6.1	Low	Low
2.1.1	Low	Low
2.1.2	Low	Low
2.1.3	Low	Low
2.2.1	Low	Low
2.2.2	Low	Low
2.2.3	Low	Low
2.2.4	Low	Low
2.2.5	Low	Low
2.2.6	Low	Low
2.2.7	Low	Low
2.2.8	Low	Low
2.2.9	Low	Low
2.3.1	Low	Low
2.3.2	Low	Low

Indicator	Risk rating (Low or Specified)	
	Producer	CB
2.3.3	Low	Low
2.4.1	Low	Low
2.4.2	Low	Low
2.4.3	Low	Low
2.5.1	Low	Low
2.5.2	Low	Low
2.6.1	Low	Low
2.7.1	Low	Low
2.7.2	Low	Low
2.7.3	Low	Low
2.7.4	Low	Low
2.7.5	Low	Low
2.8.1	Low	Low
2.9.1	Low	Low
2.9.2	Low	Low
2.10.1	Low	Low

9 Review of Company's mitigation measures

Not applicable.

10 Non-conformities and observations

Identify all non-conformities and observations raised/closed during the evaluation (a tabular format below may be used here). Please use as many copies of the table as needed. For each, give details to include at least the following:

- applicable requirement(s)
- grading of the non-conformity (major or minor) or observation with supporting rationale
- timeframe for resolution of the non-conformity
- a statement as to whether the non-conformity is likely to impact upon the integrity of the affected SBP-certified products and the credibility of the SBP trademarks.

Previous year – 2019:

NC number 01	NC Grading: Minor
Standard & Requirement:	Std 1 Section 2.5, and principle 1 indicator 1.1.1 and 1.1.2 Std 2 Section 6.1 and 6.3, Standard 4 section 5.2.7, and Standard 5C Section 4.1.1
Description of Non-conformance and Related Evidence:	
It was identified through supplier interviews, that some raw lumber was sourced from Alberta, processed in BC, and the residue was recorded at PREI as a % compliant and % controlled. These logs were not covered by the organization's (PREI) SBE to be recorded as compliant.	
Timeline for Conformance:	By the next surveillance audit, but no later than 12 months from report finalisation date
Evidence Provided by Company to close NC:	Supply Base Evaluation report
Findings for Evaluation of Evidence:	Organisation increased their internal checks to ensure material from secondary suppliers do not originate outside of British Columbia to be covered under the SBE.
NC Status:	Closed
NC number 2	NC Grading: Observation
Standard & Requirement:	Standard 4, Sections 5.4.1 a-d and 5.4.2
Description of Non-conformance and Related Evidence:	

<i>PREI have a bank credit system for PEFC claims and described the process of how they ensure the claims are managed and go through checks and balances. There are delays with certain suppliers in terms of the claim being passed on with the material.</i>	
Timeline for Conformance:	<i>Other</i>
Evidence Provided by Company to close NC:	<i>Auditor reviewed invoices of PEFC pellet sale to customers.</i>
Findings for Evaluation of Evidence:	<i>Cindy Buker is responsible for generating the invoice and entering the information in DTS. The invoices included information regarding name and address of the buyer, date, description of the product and quantity with production batch ID. SBP claims are made through the DTS which indicates outputs are "Controlled" or "Compliant."</i>
NC Status:	Closed
NC number 3	NC Grading: Minor
Standard & Requirement:	<i>Standard 5A section 2.2.4 Standard 5A section 2.1.3</i>
Description of Non-conformance and Related Evidence:	
<i>SAR had incorrect SDI numbers assigned for the 2018 period. Minor issues were identified with maximum distance and therefore average distance and a typo with moisture content.</i>	
Timeline for Conformance:	<i>By the next surveillance audit, but no later than 12 months from report finalisation date</i>
Evidence Provided by Company to close NC:	<i>SAR was updated to ensure correct figures from background data were communicated.</i>
Findings for Evaluation of Evidence:	<i>SAR corrected.</i>
NC Status:	Closed
NC number 4	NC Grading: Minor
Standard & Requirement:	<i>Standard 1, Principle 2, Criterion 2.1.1, 2.1.2</i>
Description of Non-conformance and Related Evidence:	
<i>The organization has not explicitly stated the WWF ecoregions within the supply base. The Supply Base for BC is predominantly crown land within British Columbia and the forest industry must adhere to extensive regulatory compliance with the state government.</i>	

Timeline for Conformance:	<i>By the next surveillance audit, but no later than 12 months from report finalisation date</i>
Evidence Provided by Company to close NC:	<i>Supply Base Evaluation</i>
Findings for Evaluation of Evidence:	<i>Organization updated their Supply base evaluation to incorporate WWF ecoregions.</i>
NC Status:	Closed

11 Certification decision

Based on the auditor's recommendation and the Certification Body's quality review, the following certification decision is taken:

Certification decision:	Certification approved
Certification decision by (name of the person):	Theodore Brauer
Date of decision:	19/Feb/2021
Other comments:	<i>Click or tap here to enter text.</i>