

Government of Alberta ■ **BIOENERGY PRODUCER CREDIT PROGRAM APPLICATION**
Energy **SCHEDULE D4 - ELECTRICITY**

Facility or Project Name: _____

Date of application: _____
 (yyyy/mm/dd)

SCHEDULE D4 PRODUCT ELIGIBILITY – Electricity			
To be completed if applying under Program 2 and 4 for electricity produced from biomass.			Attachments
1.	Production Status	Select appropriate situation: <input type="checkbox"/> Currently capable of commercial production. Please complete all questions. or <input type="checkbox"/> Not yet producing. Questions 2 and 3 must be answered. Please complete other questions as fully as possible given the current stage of project development. Completion and confirmation of information will be a condition of qualifying to receiving credits.	
2.	Production Technology	Please describe the production technology or process used to manufacture the bioenergy product: _____	<input type="checkbox"/> Attachment
3.	Facility Interconnection	Will the electricity generating system using biomass be connected to Alberta’s electric system? <input type="checkbox"/> Yes. Electricity generating capacity is or will be a modification to the existing site interconnection. <input type="checkbox"/> Yes. This is or will be a new interconnection for the facility. <input type="checkbox"/> No. The generating capacity does or will not interconnect to Alberta’s electric system. (ineligible) <input type="checkbox"/> Not sure or other. Please provide explanation: _____	<input type="checkbox"/> Proof of approval and/or interconnection (required if available)
3a.	Micro-Generation	Does the facility have an active application or approval for micro-generation under the Micro-Generation Regulation? <input type="checkbox"/> No <input type="checkbox"/> Yes, an application has been submitted. Approval is pending (ineligible if approved) <input type="checkbox"/> Yes, the facility is an approved micro-generator (ineligible)	<input type="checkbox"/> Attachment

3b.	Alberta Power Pool	<p>b. Is this facility a market participant in the Alberta Power Pool or has an application been made?</p> <p><input type="checkbox"/> Yes. Power Pool Registration No. _____</p> <p><input type="checkbox"/> Yes. An application has been submitted.</p> <p><input type="checkbox"/> No.</p> <p>Comments (optional):</p>	<input type="checkbox"/> Attachment
4.	Generating Capacity	<p>What is the nominal generating capacity of the system?</p> <p><input type="checkbox"/> 150 kilowatts or greater</p> <p><input type="checkbox"/> Less than 150 kilowatts (ineligible)</p> <p>Please explain what this capacity is based on (e.g., nameplate capacity) _____</p>	<input type="checkbox"/> Attachment

Measurement and Calibration

5.	Point of Measurement	<p>Please describe the points and conditions of measurement of net usable electricity for the purposes of reporting production under the BPCP (e.g., meter for internal use; meter for external use):</p> <p><input type="checkbox"/> revenue metering for or by purchaser</p> <p><input type="checkbox"/> input for final end use where there are no additional electricity offtakes</p> <p><input type="checkbox"/> Other: _____</p> <p>If not using a revenue meter, please include detailed diagrams showing point of measurement and an explanation of measurement of net usable electricity from biomass.</p>	<input type="checkbox"/> Attachment. Required if not using a revenue meter.
6.	Measuring Equipment	<p>Please check the type of equipment used to measure production and provide the model name and number, and the manufacturer:</p> <p><input type="checkbox"/> Interval Meter</p> <p><input type="checkbox"/> Other type of meter: _____</p> <p>Model name and number, manufacturer: _____</p>	<input type="checkbox"/> Equipment photo or information from manual (required for built and producing facilities)

7.	Conversion and Standardization Factors	<p>For the purposes of the BPCP, the standard unit of measure for electricity is Kilowatt hours or Megawatt hours.</p> <p>In an attachment, please supply the formula and any standard factors, standard conditions, degree of accuracy, deductions and any assumptions used to calculate electricity consumed directly in the generation of electricity.</p>	<input type="checkbox"/> Attachments must be signed by an engineer																		
8a.	Equipment Calibration	<p>For electricity <u>sold onto the grid</u>, who checks or calibrates the measurement system, and how often?</p> <table border="1" data-bbox="397 504 1274 940"> <thead> <tr> <th data-bbox="397 504 690 556"><i>Agent</i></th> <th data-bbox="690 504 982 556"></th> <th data-bbox="982 504 1274 556"><i>How often?</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="397 556 690 630">Measurement Canada</td> <td data-bbox="690 556 982 630"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 556 1274 630"></td> </tr> <tr> <td data-bbox="397 630 690 703">Purchaser of bioenergy product</td> <td data-bbox="690 630 982 703"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 630 1274 703"></td> </tr> <tr> <td data-bbox="397 703 690 777">Qualified engineer (employee)</td> <td data-bbox="690 703 982 777"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 703 1274 777"></td> </tr> <tr> <td data-bbox="397 777 690 850">System operator (employee)</td> <td data-bbox="690 777 982 850"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 777 1274 850"></td> </tr> <tr> <td data-bbox="397 850 690 940">Other (specify):</td> <td data-bbox="690 850 982 940"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 850 1274 940"></td> </tr> </tbody> </table>	<i>Agent</i>		<i>How often?</i>	Measurement Canada	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		Purchaser of bioenergy product	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		Qualified engineer (employee)	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		System operator (employee)	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		Other (specify):	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		<input type="checkbox"/> Attachment
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8b.	Equipment Calibration	<p>If any electricity is <u>consumed on site</u>, who checks or calibrates the measurement system, and how often?</p> <table border="1" data-bbox="397 1050 1274 1486"> <thead> <tr> <th data-bbox="397 1050 690 1102"><i>Agent</i></th> <th data-bbox="690 1050 982 1102"></th> <th data-bbox="982 1050 1274 1102"><i>How often?</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="397 1102 690 1176">Measurement Canada</td> <td data-bbox="690 1102 982 1176"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 1102 1274 1176"></td> </tr> <tr> <td data-bbox="397 1176 690 1249">Purchaser of bioenergy product</td> <td data-bbox="690 1176 982 1249"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 1176 1274 1249"></td> </tr> <tr> <td data-bbox="397 1249 690 1323">Qualified engineer (employee)</td> <td data-bbox="690 1249 982 1323"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 1249 1274 1323"></td> </tr> <tr> <td data-bbox="397 1323 690 1396">System operator (employee)</td> <td data-bbox="690 1323 982 1396"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 1323 1274 1396"></td> </tr> <tr> <td data-bbox="397 1396 690 1486">Other (specify):</td> <td data-bbox="690 1396 982 1486"> <input type="checkbox"/> Calibration <input type="checkbox"/> System check </td> <td data-bbox="982 1396 1274 1486"></td> </tr> </tbody> </table> <p data-bbox="397 1491 1274 1579">The system must be recalibrated at least annually unless calibration frequency is determined by Measurement Canada.</p>	<i>Agent</i>		<i>How often?</i>	Measurement Canada	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		Purchaser of bioenergy product	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		Qualified engineer (employee)	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		System operator (employee)	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		Other (specify):	<input type="checkbox"/> Calibration <input type="checkbox"/> System check		<input type="checkbox"/> Attachment
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Bioenergy Output – Distribution and Sales																					
9.	Sales and Consumption	<p>To what types of markets or consumers do you sell or deliver the bioenergy product (check all applicable)?</p> <p> <input type="checkbox"/> Sold to electric utility <input type="checkbox"/> Used on site <input type="checkbox"/> Other (please describe): _____ </p>	<input type="checkbox"/> Attachment																		

Please use this space for any additional comments.