

Eco Mark Product Category No.507

“Electricity Plan Version1.0”

Certification Criteria

—Applicable Scope—

“Low-voltage” electricity plans that electricity retailers abiding by the Electricity Business Act or “intermediary” companies offer to households and stores.

Established December 1, 2018
Expiration date November 30, 2025

Japan Environment Association
Eco Mark Office

NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

Eco Mark Product Category No.507 “Electricity Plan Version1.0” Certification Criteria

Japan Environment Association

Eco Mark Office

1. Purpose of Establishing Certification Criteria

Omitted

2. Applicable Scope

“Low-voltage” electricity plans that electricity retailers abiding by the Electricity Business Act or “intermediary” companies offer to households and stores.

3. Terminology

Omitted

4. Certification Criteria and Certification Procedure

The applicant shall submit the Attached Certificates and related documents to show the compliance with each criteria item. Note that requirements in this certification criteria are to meet all the following items: 4-1. (1) to 4-1. (6), and 4-2. (7).

4-1. Environmental Criteria and Certification Procedure

(1) The carbon dioxide emission factor (after being adjusted) in the relevant electricity plan shall be 0.500kg-CO₂/kWh or lower.

[Certification Procedure]

Applicants shall include the state of conformity (including the declaration of compliance with criteria after certified) to this item in the attached certificate. Applicants shall also submit a copy of the report by the latest menu based on the “Emission factor to calculate the volume of carbon dioxide (CO₂) emissions in conjunction with the use of electric power, which is supplied by a third party to specified emitters as defined in the Act on Promotion of Global Warming Countermeasures.” The report was submitted to the Ministry of Economy, Trade, and Infrastructure (hereinafter METI) and the Ministry of the Environment (hereinafter MOE) and publicized in accordance with the Act on Promotion of Global Warming Countermeasures as evidence of the carbon dioxide emission factor (after being adjusted). However, in case applicants do not provide any electricity plans, that include different values in 4-1 (1) or (2) other than the relevant plan, they can submit a copy of the report of “the carbon dioxide emission factor for the business operator (hereinafter Coefficient per Business Operator)” instead. Note that in case applicants provide other electricity plans that include different values in 4-1 (1) or (2) other than the relevant electricity plan, and they submit the Coefficient per Business Operator to METI, they shall submit a copy of the report of the Coefficient per Business Operator and the documents that

explain the breakdown per plan.

After certified, applicants shall submit the carbon dioxide emission factor of the relevant electricity plan every year.

- (2) The utilization ratio of renewable energy and other power resources in the relevant electricity plan (their calculation formula is as follows) shall be 20 percent or more.

(Calculation formula)

Utilization ratio of renewable energy and other resources (%) =

Used amount of renewable energy and other resources (kWh) in the applied plan:
1)+2)+3)+4)

×100

Electricity in the applied plan (kWh)

- 1) Used amount of renewable energy electricity (generated by the company's own facility and/or affiliated companies, and purchased from other companies) (kWh)
(Note that electricity sold in the Feed-in Tariff system (hereinafter FIT) is not included.)
- 2) Amount of green power (kWh) that is equivalent to the CO₂ reductions, which is recognized in the Green Power Certification System to be the result of the electricity consumed by the organization
- 3) Electricity (kWh) equivalent to the energy amount in the non-fossil certificate for "specified renewable energy," which was purchased from the trading market of non-fossil fuel energy value
- 4) Electricity (kWh) equivalent to the credits derived from the renewable energy certified by the J-Credit Scheme

[Certification Procedure]

Applicants shall submit the attached certificate including the state of conformity (including the declaration of compliance with criteria after certified) and Sheet 2. Also, applicants shall submit a copy of the report in 4-1 (1) as the evidence materials. However, if applicants provide any electricity plans with different values in 4-1 (1) or (2) other than the relevant electricity plan and also have submitted their Coefficient per Business Operator to METI, they shall submit a copy of the report of the Coefficient per Business Operator and the materials that explain the breakdown of items 1) to 4) for each plan.

Note that the values shall be calculated during the same period as the reported period in 4-1 (1) using only the values used in the calculation of 4-1 (1). Also note that applicants shall report the utilization ratio in the relevant electricity plan every year after certified.

- (3) Applicants shall provide consumers with the information of the following items 1 and 2 regarding the relevant electricity plan.

1). Information to be provided when consumers select an electricity plan

Applicants shall provide the following a) and b) on their websites, in some leaflets, or by any other means.

When the information is provided on a website, applicants shall consider user friendliness on operability of the website so that consumers can find the information explaining the electricity plans and other relevant information easily.

- a) The previous year's actual values of the carbon dioxide emission factor (after adjusted) in the relevant electricity plan
- b) The previous year's composition of energy power resources (actual values) in the relevant electricity plan

However, b) shall be described in accordance with the Guidelines Concerning the Management of the Electricity Retail Business and also the relevant c) to h) shall be accurately informed.

- c) When calculating the utilization ratio of renewable energy and other power resources, including the amount of purchased renewable energy with the certificate of the non-fossil fuel value (specified renewable energy), the applicants shall include it near the explanation of the components of electric power resources according to the requested method described in the Guidelines Concerning the Management of the Electricity Retail Business.
- d) If the Green power equivalent to the CO₂ reduction, which was certified to be the electricity derived from the energy consumed in supplier's facilities by the Green Power Equivalent to CO₂ Reduction Certification System, is included, the applicants shall explain that they are utilizing the green power certificate based on the System.
- e) If the credit derived from the renewable energy power certified by the J-Credit Scheme is included, the applicants shall explain that they use the credits certified in the system.
- f) If the FIT electricity is included, the applicants shall explain about the FIT electricity to avoid misunderstandings regarding the FIT system.
- g) If the electric power supplied by the Japan Electric Power Exchange is included, the applicants shall give a clear explanation of the characteristics of the power resource.
- h) If electric power purchased from other companies is included, the applicant shall clearly explain their idea on assortment of power resource composition (e.g. all-time backup system, electric power from an unidentified power plant).

2). Information to be provided to the contractors of the relevant electricity plan

Applicants shall provide their contractors with the following information i) to l) using meter reading cards, emails, smartphone applications, their websites, or other means. However, applicants need to provide either of i) or j), while k) and l) are recommended but optional. Note that applicants shall notify their contractors

by email or other means when some updates are made on the contract information on their website.

- i) Each contractor's electricity consumption of the month and that of the same month a year earlier
- j) Each contractor's electricity consumption and electric rate per month during the last 12 months
- k) Comparison of electricity usage of the contractor with that of households with similar usage of electricity (e.g. contract type, dwelling style, area) and advice on energy saving.
- l) Tips on how to select and use electric appliances that leads to energy/electricity saving

[Certification Procedure]

Applicants shall include the state of conformity in the attached certificate. Also, applicants shall submit the materials for confirmation of the status. If the information is posted on the website, the URL of the relevant page shall be provided.

- (4) Related environmental laws and regulations and pollution control agreement (hereinafter referred to as the "Environmental Laws, etc.") must be followed with respect to air pollution, water contamination, noise, offensive odor, and emission of hazardous materials in the area where the applicant (provided, however, that if the applicant is an agency or intermediary, it shall be a business provider supplying electricity to the applicant.) is located.

In addition, the state of compliance with the Environmental Laws, etc. for the last five years from the date of application (whether there is any violation) must be reported. If there is any violation, it is necessary that proper remedies and preventive measures have been already taken, and the related Environmental Laws, etc. must thereafter be followed appropriately.

[Certification Procedure]

Applicants shall include the state of conformity in the attached certificate. In addition, with respect to the compliance with the related Environmental Laws, etc., a certificate issued by the representative or the manager of the business (entry or attachment of the list of names of the Environmental Laws, etc.) must be submitted.

It is necessary to report whether there is any violation during the last five years, including a violation subject to administrative punishment or administrative guidance, and if there is, the following documents in a and b must be submitted:

- a. With respect to the fact of violation, guidance documents from administrative agencies (including order of correction and warning) and copies of written answers (including those reporting causes and results of correction) to such

documents (making a series of progress clear);

b. Following materials (copies of recording documents, and so on) concerning the management system for compliance with the Environmental Laws, etc. in 1)-5):

- 1) List of the Environmental Laws, etc. related to the service provider;
- 2) Implementation system (organizational chart with entry of roles, etc.);
- 3) Document stipulating retention of recording documents;
- 4) Recurrence prevention measures (future preventive measures);
- 5) State of implementation based on recurrence prevention measures (result of checking of the state of compliance, including the result of onsite inspection).

(5) Applicants shall attempt to prioritize procurement of renewable energy and other sources used in this electricity plan from electricity generation facilities that are implementing efforts to minimize their environmental implications. More specifically, applicants shall confirm the electricity generation facilities' implementation status of their environmental considerations based on Appendix 1: Checklist on Eco-friendliness of Electric Power Derived from Renewable Energy. This item could be judged to conform even if the electricity generation facilities do not implement all of the efforts listed in the checklist, but the facilities shall be confirmed to implement at least the checklist items No.8, No.9, and No.13.

Note that this part applies to all electricity generation facilities that purchase renewable energy and other sources (item 1) in 4-1.(2)) among the electricity generated at the applicants' companies and affiliates and/or the electricity purchased from other companies (refers to "negotiated transaction" here). Applicants shall confirm to cover at least the top 5 largest facilities of the quantity of electricity (kWh) and solar power facilities with the output of 2MW or more.

[Certification Procedure]

Applicants shall include the state of conformity in the attached certificate. Also, applicants shall state the confirmation status of each item on the checklist and submit it.

(6) Applicants shall work on at least one of the following 7 activities to;

- 1). Offer electricity plans that contribute to demand response systems and energy conservation (by leveling or peak-shift electricity demand, and energy saving)
- 2). Supply electric power utilizing unused energy (for efficient use of energy)
- 3). Offer host guided power plant tours or environmental education opportunities (for communication with consumers)
- 4). Participate in environmental preservation activities, or offer donations to environment protection (for environmental preservation activities)
- 5). Obtain the certification of their environment management system (including

ISO14001), or have established and implemented properly the internal standards that conform to the above international standards. (Environmental management system)

- 6). Create and publicize environment reports or CSR reports.
- 7). Work on other activities to preserve the environment (limited to those reviewed and approved by the examination committee).

[Certification Procedure]

Applicants shall submit the attached certificate including the state of conformity and explanatory documents.

4-2. Quality criteria and certification procedure

- (7) Applicants shall abide by the Guidelines Concerning the Management of the Electricity Retail Business, and shall not be involved in the activities defined in the section "Prohibited Activity" in the guidelines.

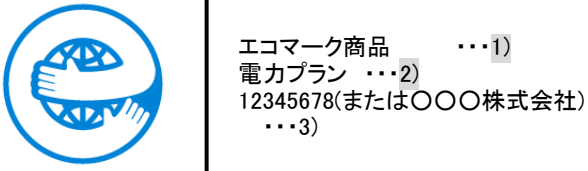
[Certification Procedure]


Applicants shall submit the attached certificate including the state of conformity.

5. Product Classification, Indication and Others

- (1) The classification of services are set for each electricity plan.
- (2) As a general rule, the Eco Mark shall be shown on the advertising media (including pamphlets and website) to introduce the certified electricity plans.
B type or C type display shall be conducted in accordance with the "Guide to Eco Mark Usage" (<https://www.ecomark.jp/office/guideline/guide/>).
The display position and contents shall be submitted when applying for Eco Mark certification and its use.

[Example]

B type display	Condition of indication
 <p style="text-align: center;">Not to require the numbers 1), 2) and 3) themselves.</p>	<p>1-2(1) "Certification information" of "Guide to Eco Mark Usage" shall include (1)-(3) below.</p> <ol style="list-style-type: none"> 1) The wording of "Eco Mark" or any expression of Eco Mark products stipulated in Section 1-6 in the "Guide to Eco Mark Usage" 2) The wording indication of environmental information 3) The Eco Mark certification number or the name of the Eco Mark Usage Licensee (The indication of the both is acceptable)

C type display	Condition of indication
 <p data-bbox="448 427 619 479">エコマーク認定 12345678</p>	<p data-bbox="922 241 1410 492">This is a sample. Conduct a proper indication by referring samples in 1-3 of the "Guide to Eco Mark Usage". Please make an Eco Mark product information page on the website which includes the certification information in order for customers to refer the certification information,</p>

December 1, 2018

Established (Version 1.0)

November 30, 2025

Expiration

Certification Criteria of this Product Category shall be revised as needed.

No.	Item	Details	Status	Confirmation Method
				[]
3	Sea Wind	<p>Electric suppliers shall design their facilities conforming to the standards of the facilities including those chosen from entries from the public in accordance with the Ports and Harbors Act, and submit an application about the structural design of their facilities to the administrator of the Ports and Harbors Act, and obtain an approval for the use of designated water area. (Reference: The Guidelines for Business Planning (Wind-power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed that procedures had been done in compliance with the related laws including the Port and Harbor Act <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
4		<p>Electric suppliers shall take appropriate preventive measures against the sources of annoyance including operating noises from power generating equipment and electromagnetic waves from their facilities or electric wires, which cause negative impacts on the lives of local residents and the surrounding environment. (Reference: The Guidelines for Business Planning (Solar-power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed that no legal issues occurred on the relevant electricity generation business including lawsuits <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
5	Solar	<p>Electric suppliers shall take appropriate preventive measures against the reflected lights from their solar cell modules so as not to damage the surrounding environment. (Reference: The Guidelines for Business Planning (Solar-power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed that no legal issues occurred on the relevant electricity generation business including lawsuits <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
6		<p>Electric suppliers shall establish the business plans including the appropriate decommission and abolishment plans and methods of their power generating equipment after their operation is terminated in accordance with the Guidelines towards the Promotion of Recycling of Solar Power Generating Equipment issued by MOE. (Reference: The Guidelines for Business Planning (Solar-power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
7	Biomass Fuel (Domestic Wood Biomass)	<p>Electric suppliers shall explain their fuel procurement and usage plans prior to implementation with their potential suppliers: each prefectural Forest Policy Planning Department (as for the national forests, do so to the Regional Forest Office or other relevant offices). (Reference: The Guidelines for Business Planning (Biomass Power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed with the explanatory materials for prefectural Forest Policy Planning Department. <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies

No.	Item	Details	Status	Confirmation Method
				<input type="checkbox"/> Other (please specify) []
8		<p>Electric suppliers shall ensure that the biomass they plan to purchase is appropriately identified and proved to be wooden biomass fuels derived from forest thinning, general wooden biomass fuels, or wastes of building materials in accordance with the Guideline for Certification of the Origin of the Wooden Biomass to be Utilized in Electric Power Generation. (Reference: The Guidelines for Certification on Woody Biomass for Power Generation)</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed the implementation with the certificate listed in the “Guidelines for Certification on Woody Biomass for Power Generation” <input type="checkbox"/> Confirmed the implementation with the certificate that indicates the biomass fuels to be purchased has been properly sorted out. <input type="checkbox"/> Other (please specify) []
9		<p>Electric Suppliers shall use the wooden materials or wooden goods, the sustainability (conformity to the law) of which is proved at processors and distributors, so that the relevant plan has minimum impact on the existing usage of the wooden resource. (Reference: The Guidelines for Business Planning (Biomass Power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed the implementation with documents that have been granted the documents to prove the use of the wooden materials or wooden goods with the proof of the sustainability (conformity to the law) <input type="checkbox"/> Other (please specify) []
10	Biomass Fuel (Imported Wood Biomass)	<p>Electric Suppliers shall secure some agreements (direct or indirect through a trade firm) including the Stable Fuel Procurement Agreement with both domestic and local fuel suppliers. (Reference: The Guidelines for Business Planning (Biomass Power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed the materials related to the stable procurement agreements with the local fuel suppliers. <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
11	Biomass Fuel (Biomass derived from harvested agricultural products)	<p>Electric Suppliers shall attempt to minimize the impact of their relevant business plans on the existing usage of biomass derived from harvested agricultural products (palm oil, PKS (Palm Kernel Shell), palm trunk). (Reference: The Guidelines for Business Planning (Biomass Power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
12		<p>Regarding biomass derived from harvested agricultural products (palm oil, PKS, palm trunk), the relevant Electric Suppliers shall secure some agreements (direct or indirect through a trade firm) with both domestic and local fuel suppliers, and simultaneously confirm that those suppliers have (traceable) distribution routes. (Reference: The Guidelines for Business Planning (Biomass Power Generation))</p>	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []

No.	Item	Details	Status	Confirmation Method
13		As for palm oil, one of the liquid biomass fuels, Electric Suppliers shall confirm that their local fuel suppliers of the oil have received certifications from authorities such as the RSPO, which explain that they achieved sustainability (legitimacy) of their palm oil resource by evaluating their impact on environment and society, labor condition, segregation management of certified oil and non-certified oil, and other criteria. (Reference: The Guidelines for Business Planning (Biomass Power Generation))	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed. <input type="checkbox"/> No palm oil used	<input type="checkbox"/> Confirmed with documents that the third party have been certified in terms of the sustainability (legitimacy) <input type="checkbox"/> Confirmed with the notification of FIT certification [Certified in YYYY] <input type="checkbox"/> Other (please specify) []
14	Geothermal	Electric Suppliers shall establish and implement the plans for appropriate monitoring of geothermal sources in accordance with the requirements described in the Requirements for Source Monitoring. (Reference: The Guidelines for Business Planning (Geothermal Power Generation))	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed. <input type="checkbox"/> Not applicable	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed the materials regarding monitoring of geothermal sources. <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
15		In case the local geothermal electric suppliers own no wells that can provide their geothermal power generating facilities with steam and hot water, the suppliers shall request owners of wells to establish and implement the source monitoring plans. (Reference: The Guidelines for Business Planning (Geothermal Power Generation))	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed. <input type="checkbox"/> Not applicable	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed with the materials related to the implementation of source monitoring by the relevant well owners. <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
16	Relationship with local community (Common)	In order to communicate with local residents, Electric Suppliers shall consult the local government regarding the scope of residents to be given prior attention and/or concrete ways of communication such as holding explanatory sessions or visiting residents individually. (Reference: The Guidelines for Business Planning)	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed with the materials including explanatory documents for the local residents. <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []
17		Electric Suppliers who are going to settle the small scale of power generation facility, which requires no procedure of environmental assessment, shall attempt to achieve a consensus from the local residents on their business by taking measures including holding explanatory sessions about its impact on the environment and landscape after consulting the local government. (Reference: The Guidelines for Business Planning)	<input type="checkbox"/> Confirmed → <input type="checkbox"/> Implemented. → <input type="checkbox"/> not implemented <input type="checkbox"/> Not confirmed.	<input type="checkbox"/> Confirmed with the related document including business plans <input type="checkbox"/> Confirmed with the materials including explanatory documents for the local residents. <input type="checkbox"/> Confirmed by hearing surveys with the electricity generation companies <input type="checkbox"/> Other (please specify) []