



Total

Mars 2020

Independent assurance report on the award of the “Total Ecosolutions”
label to the “Lamentin hybrid solar power plant (Martinique)” project

EY & Associés



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Further to your request, we have performed a review in order to obtain reasonable assurance that the “Lamentin hybrid solar power plant (Martinique)” project, a description of which can be found on the web site www.total.com¹ and in the external datasheet dated December 12, 2019, has obtained the “Total Ecosolutions” label in accordance with the version 5 of the “Total Ecosolutions Guidelines” dated June 3rd, 2016 (hereafter referred to as the “Guidelines”); the Guidelines, which can be downloaded from the web site www.total.com¹, have been established on the basis of the ISO 14020 and ISO 14021 standards and were the subject of a preliminary external review which gave rise to the issue of an independent report on their design, this report also being accessible on www.total.com¹.

We conducted our review in accordance with international standard ISAE 3000 (International Standard on Assurance Engagements) defined by IFAC (International Federation of Accountants). It is the responsibility of Total to regularly update the Guidelines, to ensure that they are made available to internal users and third parties, and to apply the Guidelines. It is our responsibility to express, on the basis of our review, a conclusion on the award of the “Total Ecosolutions” label to the “Lamentin hybrid solar power plant (Martinique)” project.

Nature and scope of our review

To express our conclusion, we performed the following review:

- We have assessed the reliability, accuracy, understandability, neutrality, completeness and relevance of the Guidelines and the constituents of the “Total Ecosolutions” label request file for products, services and projects.
- We have conducted interviews with the persons in charge of preparing the label request file, and analyzed the documentation available (aiming at justifying the methods of evaluation of the project's overall environmental impact and of the comparative performance evaluation with the reference situation). We have also reviewed the meeting minutes and documents used during the validation process by the “Total Ecosolutions” Labelling Committee and the Total Ecosolutions Management Committee, in order to identify any risks of deviation in relation to the label award process defined in the Guidelines. However, the scope of our work did not include the verification of data used as sources for the calculation.

¹ Exact address: www.ecosolutions.total.com



To conduct the aforementioned procedures, we called on members of our teams specialized in environment and sustainable development.

Information or explanations

- The Guidelines aim to define the rules for the award of the “Total Ecosolutions” label, the organization and responsibilities, the methods for assessing the level of environmental performance and verifying the compliance with the Guidelines, the internal and external communication procedures as well as the rules for document management, in accordance with the requirements of the ISO 14020 and ISO 14021 standards.
- “Lamentin hybrid solar power plant (Martinique)” project is a ground-based solar plant combined with storage batteries, whose electricity projection is fed into the Martinique electricity grid. It delivers a power of 4 MW_e and has an annual projection of 7.3 GWh. The plant is located on a former technical landfill center via an off-ground anchorage. It was commissioned in May 2019 and has an operating lifetime of 25 years. It is expected that the site will be rehabilitated at the end of operation in accordance with its original condition.
- The environmental and health performance of the “Lamentin hybrid solar power plant (Martinique)” project is assessed through comparison, for an equivalent service provided, with Martinique's power mix in 2016 in the absence of the hybrid solar power plant.
- Comparative environmental performance assessment for “Lamentin hybrid solar power plant (Martinique)” project is performed through life cycle analyses, covering all phases of the life cycle and taking into account the 25-years operating lifetime.
- The functional unit considered is “produce 1kWh of electricity per year taking into account the 25-years operating lifetime of the hybrid solar power plant”.
- The significant benefit selected and validated by the “Total Ecosolutions” Management Committee is a reduction by 93% of the greenhouse gases emissions compared to the reference project.
- **Conclusion**

In our opinion, the “Lamentin hybrid solar power plant (Martinique)” project has been awarded the “Total Ecosolutions” label, in all its significant aspects, in accordance with the Guidelines.

Paris-La Défense, March 20, 2020

EY & Associés
Sustainability Services

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