Detailed project description

This document is to be completed and submitted as an attachment when completing the investment aid application on MyGuichet.lu.

**Investment Project in Environmental Protection**

**Legal basis:** Art. 4,5,6,8,9,10,11,12,13,14 of the law introduced on 15th  of December 2017 relative to the protection of the environment

**Company name:**

**Project name:**

# Type of investment

Indicate the planned measure of the project (tick the respective box)

|  |  |
| --- | --- |
|  | Art. 4 Investment aid enabling undertakings to go beyond the European Union's environmental protection standards or to increase the level of environmental protection in the absence of such standards; |
|  | Art. 5 Investment aid for early adaptation to future Union standards; |
|  | Art. 6 Investment aid for energy efficiency measures; |
|  | Art. 8 Aid for investments in high-efficiency cogeneration; |
|  | Art. 9 Aid for investments promoting energy from renewable sources; |
|  | Art. 10 Investment aid for the remediation of contaminated sites; |
|  | Art. 11 Investment aid for efficient heating and cooling networks; |
|  | Art. 12 Investment aid for the recycling and reuse of waste; |
|  | Art. 13 Investment aid for energy infrastructure; |
|  | Art. 14. Aid for environmental studies. |

**It is advised to the company to refer to the applicant’s guide published on** [**guichet.lu**](https://guichet.public.lu/dam-assets/catalogue-pdf/guide-requerant-regime-aides-protection-environnement/guide-requerant-aides-protection-environnement-fr.pdf) **before preparing the request for State Aid.**

# Details of the planned investment project

## Project objectives

## History and evolution of the project

## Detailed description of the proposed technical solution

*Provide a description of the proposed technical solution, along with block diagrams, specifications and technical drawings.*

*Where applicable, describe the innovative nature of the technology (i.e., how it surpasses the solutions currently in place) and its technical potential.* *Specify the life span/expectancy of the proposed measure(s).*

## Assessment of the expected impact of the project in terms of environmental protection

*Quantitative assessment:*

* *Going beyond environmental standards: Quantify the extent to which applicable standards are surpassed or, in the absence of such standards, the expected improvements. Provide details on the applicable standards, and a technical data sheet demonstrating the technology's effectiveness, or an evaluation report proving the expected pollutant(s) emission thresholds level(s) to be reached. The associated economic gains and the return on investment should be specified.*
* *Energy efficiency: Energy consumption and environmental impact (CO2 emissions) (i.e., savings in terms of energy/resources/CO2; efficiency gains, etc.) before and after the implementation of the project. The associated economic gains and the return on investment should be specified.*

## Description of the counterfactual reference (if applicable)

*The aid rates are based on the admissible cost of the project, which is generally the additional cost of the eligible measure compared to the counterfactual reference. The latter refers to the hypothetical case where a technically comparable environmental protection investment would be made, which could likely be realised without investment aid for environmental protection and which is, from a commercial point of view, a credible alternative to the investment being assessed.*

*The Applicant's Guide includes a table illustrating the typical counterfactual references to be applied.*

*The scenario of the counterfactual reference is to be described here, in accordance with the information elements cited above.*

*The counterfactual investment is to be precisely encrypted in the excel spreadsheet "Financial Summary.xlsx" and the respective price offers are to be attached to the application.*

*Note: For projects aiming to generate electricity and/or heat, there is no need to quantify a counterfactual investment as specified above, as this exercise will be carried out as part of the standardized instruction procedure for all projects.*

# Project implementation

## Incentive effect of the Aid

*Document and quantify the incentive effect of the aid from the company’s perspective. Describe to what extent state aid will change the behavior of your company in order to increase the level of environmental protection or to improve the functioning of a secure and affordable European energy market.*

## In-house human resources

*List the person(s) in charge of the project, and specify their qualifications and experience.*

## Technical components employed

*Provide a brief description of the materials and equipment implemented in the frame of the project (specified in the budget).*

## Quarterly implementation schedule (Gantt chart)

*The applicant business has two options:*

*a. prepare its own Gantt chart and insert a copy here*

*b. fill in the chart in the Excel file "Financial Summary.xlsx", in the tab labelled "GANTT"*

## Permits and authorisations

*The company is expected to complete all required formalities to obtain any necessary permits and authorisations (building, operation, environmental protection). The company should have started the required formalities before submitting the aid application. Copies of all authorisations, or receipts in connection with authorisation applications, must be provided. Also, specify here the applications’ status for the relevant authorisations.*

# Financial summary of the project

*Please fill in and attach the Excel file entitled "Template EN\_Financial Summary\_ENV.xlsx" and include the detailed calculation of the return on investment.*

*For renewable energy generation projects benefiting from an electricity injection tariff or a heat premium provided by the amended Grand-Ducal regulation of 1 August 2014 relating to the production of electricity based on sources of renewable energy, please include or attach a detailed 15-year business plan in editable Excel format.*