**APPENDIX 4**

**TEMPLATE FOR WELL-TO-TANK DEFAULT EMISSION FACTOR SUBMISSION**

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| **SUMMARY** |
| This document presents a template to provide the minimum set of information to submit values for consideration as Well-to-Tank (WtT) default emission factors. |

**INTRODUCTION**

[This section should clearly present an introduction to the submission.]

**PATHWAY DESCRIPTION**

[This section should clearly present the pathway modelled.]

**INPUT DESCRIPTION**

[This section should clearly present the input used for the modelling exercise.

The source of the data and of the model used should be reported, according to the indications about data quality provided in the LCA Guidelines.]

**Table 1: *efecu* inputs and outputs for XXX feedstock**[use the template provided in the separate LCA calculation tool]

**Additional information:**

**Table 2: *ep* inputs and outputs/losses for XXXX conversion process, including all the needed steps to pre-treat the feedstock in order to be able to convert it into the fuel, via the selected conversion process** [use the template provided in the separate LCA calculation tool]

**Table 3: Inputs for regional electricity generation mixes** [use the template provided in the separate LCA calculation tool] OR [Alternatively, please provide a statement with a clear referenced indication of the Greenhouse gas Intensity of the grid (gCO2eq/kWh or gCO2eq/MJ), and provide the reference used.]

**Table 4: etd Emissions from inputs and losses associated with the transportation of feedstock and fuels. In filling the table, please add the fuel used – In the ʺData source/model usedʺ please specify the type of fuel, the specific efficiency and energy converter, if available** [use the template provided in the separate LCA calculation tool]

**MAIN RESULTS**

[This section should present the results of the modelled pathway.]

**Table 5: Fuel identification**[use the template provided in the separate LCA calculation tool]

**Additional information:**

**Table 6: Proposed default emission factors for XXX-converted in a YYYY pathway** [use the template provided in the separate LCA calculation tool]

**Table 7: Proposed default emission factors for XXX-converted in a YYYY pathway for comparative purposes using GWP20** [use the template provided in the separate LCA calculation tool]

**Additional information:**

**APPENDIX**

[Brief description of the pathway.

Brief description of the technology.

…]

**REFERENCES**

[REF (APA format).]