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| **Questionnaire for biogas plant calculation** | | |
| *1* | *Contact details* | |
| 1.1 | Company name |  |
| 1.2 | Type of activity |  |
| 1.3 | Legal address |  |
| 1.4 | Postal address |  |
| 1.5 | Biogas plant address |  |
| 1.6 | CEO |  |
| 1.7 | Person in charge |  |
| 1.8 | Office phone |  |
| 1.9 | Mobile phone |  |
| 1.10 | E-mail |  |
| 1.11 | Web |  |
| 1.12 | Skype |  |
| 1.13 | How long have you had an interest in biogas? When are you planning to start construction? |  |
| 1.14 | Brewery  - existing  - projected |  |

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| *2* | *Information about feed stock* | |
| 2.1 | Operational period (days) |  |
| 2.2 | Plant capacity (hl/year) |  |
| 2.3 | Spent grains quantity (t/day/year) |  |
| 2.4 | Spent grains humidity (%) |  |
| 2.5 | Spent grains temperature (0С) |  |
| 2.6 | Quantity of remaining yeast (t/day) |  |
| 2.7 | Remaining yeast humidity (%) |  |
| 2.8 | Other organic wastes (specify type, quantity and humidity) |  |
| 2.9 | Spent grains morphology:  - proteins (gr/kg of dry matter)  - fats (gr/kg of dry matter)  - carbohydrates (gr/kg of dry matter)  - digested fiber (gr/kg of total solids)  - organic dry matter (% of dry matter) |  |
| 2.10 | Morphology of remaining yeast:  - proteins (gr/kg of dry matter)  - fats (gr/kg of dry matter)  - carbohydrates (gr/kg of dry matter)  - digested fiber (gr/kg of total solids)  - organic dry matter (% of dry matter) |  |
| 2.11 | Additional information |  |

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| *3 Energy requirements and prices* | |
| Quantity, price | Price, EUR |
| 3.1 | Natural gas, thousand m3 during operational period/year,  - including adjustment production  - including spent grain drying (if any) |  |  |
| 3.2 | Electric energy, kWh season/year  - total,  - from the grid  - own generation  - distillery grain decanting (if any) |  |  |
| 3.3 | Coal, tonnes day/month/year |  |  |
| 3.4 | Fuel oil, tonnes day/month/year |  |  |
| 3.5 | Diesel fuel, tonnes day/month/year |  |  |
| 3.6 | Other types of fuel |  |  |

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| *4* | *Plant and existing infrastructure* | |
| 4.1 | Boiler-house (quantity and power of boilers) |  |
| 4.2 | Heat power station (type, power) |  |
| 4.3 | Drain fields (number, volume) |  |
| 4.4 | Distance from the plant to drain fields (km) |  |
| 4.5 | Available area for biogas plant installation (ha) |  |
| 4.6 | Waste treatment facilities (number, type, volume) |  |
| 4.7 | Distance from brewery to waste treatment facility (km) |  |
| 4.8 | Facility layout (enclose if possible) |  |
| 4.9 | Agricultural land (ha) |  |
| 4.10 | Farms or other food industry plants in the 20-30 km area |  |
| 4.11 | Additional information |  |

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| *5* | *Your priorities for biogas plant construction*  *(5 –scale, 5 – is the highest)* | |
| 5.1 | Ecology, cleaning system |  |
| 5.2 | Energy |  |
| 5.3 | Organic fertilizer |  |
| 5.4 | Other (please specify) |  |

Date