### Project Emissions

1. Emissions from the combustion of fossil fuels for transportation of biomass

<table>
<thead>
<tr>
<th>NY</th>
<th>AVDy(km)</th>
<th>EFkm</th>
<th>PETy (tCO2/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10000</td>
<td>100</td>
<td>0.000425</td>
<td>425</td>
</tr>
</tbody>
</table>

2. Methane emission from the combustion of biomass

\[
\text{EFCH}_4 = \sum BF_i,y * NCV_i * \text{PE Biomass, CH}_4, y \\
0.0411 \quad 1172.7624 \quad 1012.211227
\]

**Total Project Emissions (tCO2/yr)** 1437.211

### Baseline Emissions

1. Baseline emissions due to natural decay or uncontrolled burning of anthropogenic sources of biomass

\[
\text{GWPCH}_4 = \sum BF_{i, notused, y} * NCV_i * \text{EF burning, CH}_4, i \\
21 \quad 25.69400856 \quad 539.5741798
\]

2. Baseline emissions from displacement of grid-electricity

\[
\text{EG}_y \quad \text{EFgrid, y} \quad \text{ERelectricity, y} \\
38.87 \quad 914.88 \quad 35559.66563
\]

3. Emission reductions or increases due to displacement of heat

\[
\text{Q}_y \quad \text{COEFi} \quad \epsilon_{\text{boiler}} \quad \text{NCVi} \quad \text{ERheat, y} \\
147688 \quad 1.58 \quad 100\% \quad 4.64 \quad 50242.7
\]

**Total Baseline Emissions (tCO2/yr)** 86342

### Emission Reductions of the project activity

**Emission Reductions of the project activity (tCO2/yr)** 84904.7