CLIMATE-NEUTRAL DISTRICT HEATING IN THE EUROPEAN CITY
GOERLITZ ZGORZELEC

PROMOTERS
Stadtwerke Görlitz AG;
SEC Zgorzelec Sp. z o.o.

TECHNOLOGY
Solar PV;
Solar Thermal;
Geothermal;
Ambient Energy;
Biomass;
Biogas;
Sewage treatment plant

COOPERATION MECHANISM
Joint project between Member States (Article 9 of Directive 2018/2001/EC)

COUNTRIES CONCERNED
Germany;
Poland

CB RES PROJECT WEBSITE(S)
Not yet available

LOCATION
GÖRLITZ
ZGORZELEC

COMMISSIONING DATE
2026

Project Description
Goerlitz and Zgorzelec will invest into RES heat generation and connect its district heating networks with a cross-border pipeline, to jointly supply the European city with climate-neutral district heating. Currently, a feasibility study is being carried out on the basis of the available data on consumption, prices, the existing district heating grid, existing plants, supply areas, available land and current strategies. The next step is to develop a concept for the transformation of the heat supply of the cities of Goerlitz and Zgorzelec under the condition of CO2 neutrality. Scenarios are to be developed and investigated which, through the use of regenerative technologies, can replace the currently used heat supply systems. At this point in time, available potentials of regenerative technologies have been identified and evaluated. The transformation path to CO2 neutral heat generation is derived from these potentials. These include heat generation through the use of biomass, biomethane and sewage gas, solar thermal energy, environmental heat from different water bodies and geothermal energy. Large-scale heat pumps are to be used to utilise environmental heat. The electricity required to operate the heat pumps is to be provided by photovoltaic systems and Power Purchase Agreements.

CEF funding
Action code: N/A
Awarded CEF co-funding: N/A
Implementation status
Under consideration

Timeline of the implementation plan (*)
Estimated timeline for the completion of feasibility and design studies for the project

<table>
<thead>
<tr>
<th>Project stage</th>
<th>Start date</th>
<th>End date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feasibility study</td>
<td>22/11/2021</td>
<td>28/10/2023</td>
</tr>
<tr>
<td>FEED study</td>
<td>NO_DATA</td>
<td>NO_DATA</td>
</tr>
</tbody>
</table>

Estimated timeline for obtaining the permit and the Final Investment Decision

<table>
<thead>
<tr>
<th>Project stage</th>
<th>Date of request</th>
<th>Date of decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit</td>
<td>2023</td>
<td>2025</td>
</tr>
<tr>
<td>Final Investment Decision</td>
<td>NO_DATA</td>
<td></td>
</tr>
</tbody>
</table>

Estimated timeline for construction and commissioning

<table>
<thead>
<tr>
<th>Activities</th>
<th>Start date</th>
<th>End date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>2024</td>
<td>2026</td>
</tr>
<tr>
<td>Commissioning date</td>
<td></td>
<td>2026</td>
</tr>
</tbody>
</table>

(*) Please note that all dates in this document refer to the latest dates of each implementation stage for the entire CB RES Project, considering all infrastructures included in the project. The implementation status reflects the least advanced status of all CB RES Project infrastructures.

Note: In line with the provisions of the Delegated Regulation (EU) 2022/342, the content of this document relies on information provided by the promoter(s) of the CB RES Project and CINEA does not guarantee its accuracy. The European Commission and CINEA accept no responsibility or liability whatsoever with regard to the information contained therein.