CB RES Project

2022-10-GOERLITZ ZGORZELEC

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

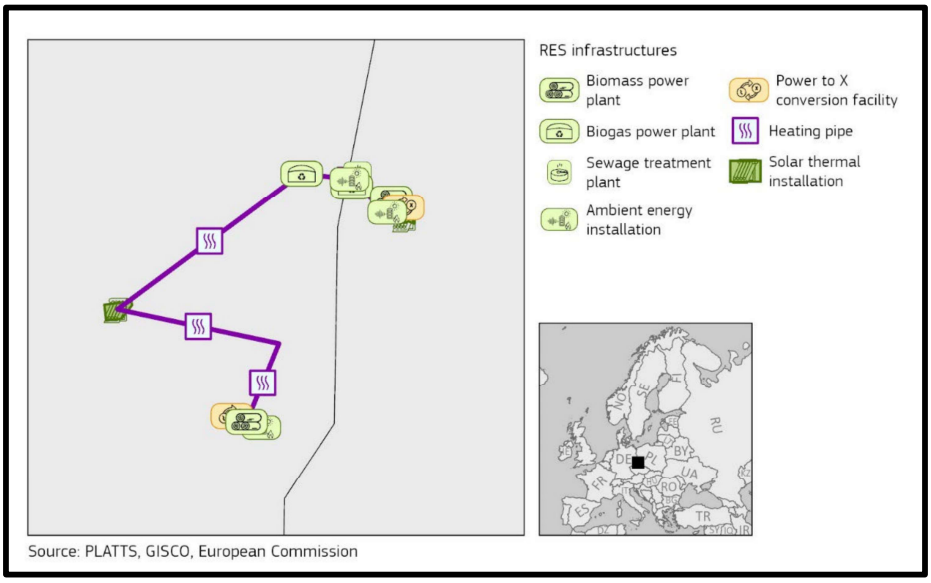
COOPERATION MECHANISM
Joint project between Member States (Article 9 of Directive 2018/2001/EC)

COUNTRIES CONCERNED
Germany;
Poland

CB RES PROJECT WEBSITE(S)
Not yet available

LOCATION
GÖRLITZ
ZGORZELEC

COMMISSIONING DATE
2028



Source: PLATTS, GISCO, European Commission

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 and environmental heat from different water bodies. 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

Project stage	Start date	End date
Feasibility study	22/11/2021	28/10/2023
FEED study	15/09/2024	31/08/2026

Estimated timeline for obtaining the permit and the Final Investment Decision

Project stage	Date of request	Date of decision
Permit	15/09/2024	31/08/2026
Final Investment Decision		31/07/2024

Estimated timeline for construction and commissioning

Activities	Start date	End date
Construction	01/06/2025	31/08/2028
Commissioning date		31/08/2028

(*) 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.

LAST UPDATE

March 2024

Energy