

Local Green Deal - Reduce-Profit Programme

Gliwice - Poland

Short description

The agreement sets out the principles of cooperation regarding the regulation of consumer installations cooperating with the district heating network in the "Reduce-benefit" programme. In an era of thermal modernisation of buildings, climate change and announced changes to the classification of climate zones, designers will find their place in the implementation of the EED - The easiest and least capital-intensive undertaking is to control the heat supply of end consumers by reducing the heating curves in buildings. The basic heating curves that were at 90/70 a few years ago now need to be modernised. Gradual adjustments to end consumers' heating curves will lead to higher energy efficiency, lower heat return temperature bills, reduced transmission losses and, overall, lower CO2 emissions. The Reduce You Profit programme is therefore run as a basic project to prepare the heat supplier and consumer for the cooperation of renewable energy sources while simultaneously improving the energy efficiency of the heat consumer and supplier. By reducing heat losses, the heat consumer and heat producer reduce operating costs. Further positive aspects of the measures are: a positive impact on the price of the heat supplied and a reduction in CO2 emissions. The entirety of the activities thus serves to improve the efficiency of heat transmission and is in line with the Development Strategy of the City of Gliwice until 2040 and the operational objective (CO3.2.2 Creating an energy supply system integrating different energy sources and types of distribution networks) and with the strategic assumptions for energy transformation until 2050 of PEC Gliwice.



Industry/Sector

- Energy & renewables

Parties of LGD/Participating parties

- Miasto Gliwice (the City of Gliwice) – Local public administration
- Przedsiębiorstwo Energetyki Ciepłej Sp. z o.o. (The Heat Company) – Public company
- Zarząd Budynków Miejskich II Towarzystwo Budownictwa Społecznego Sp. z o.o. w Gliwicach (Municipal Buildings Management No. 2 Social Housing Association) – Public company

Scope of LGD

- Accomplishment of adjustments at 70 heat exchange stations to reduce transmission losses;
- Improvement of the effectiveness of heat transmission;
- Savings in heat production;
- Increase of energy efficiency in buildings;
- Realisation of the strategic objectives indicated in the Development Strategy of the City of Gliwice until 2040, Gliwice 2040 - Energy supply system integrating different energy sources and types of network distribution.

Concrete measures/commitments

Local Green Deals contributes to:

- Development Strategy of the City of Gliwice until 2040, Gliwice 2040, target: C3.2. City of solutions conducive to the environment and nature / C.3.2.2 Energy supply system integrating different energy sources and types of network distribution.
- Environmental Protection Programme for the City of Gliwice for 2021-2024 with an perspective to 2028.
- Heat, electric energy and gaseous fuel supply plan assumptions for the city of Gliwice with an perspective to 2040.

Local Green Deal - Reduce-Profit Programme II

Gliwice - Poland

Short description

The agreement sets out the principles of cooperation regarding the regulation of consumer installations cooperating with the district heating network in the "Reduce-benefit" programme. In an era of thermal modernisation of buildings, climate change and announced changes to the classification of climate zones, designers will find their place in the implementation of the EED - The easiest and least capital-intensive undertaking is to control the heat supply of end consumers by reducing the heating curves in buildings. The basic heating curves that were at 90/70 a few years ago now need to be modernised. Gradual adjustments to end consumers' heating curves will lead to higher energy efficiency, lower heat return temperature bills, reduced transmission losses and, overall, lower CO2 emissions. The Reduce You Profit programme is therefore run as a basic project to prepare the heat supplier and consumer for the cooperation of renewable energy sources while simultaneously improving the energy efficiency of the heat consumer and supplier. By reducing heat losses, the heat consumer and heat producer reduce operating costs. Further positive aspects of the measures are: a positive impact on the price of the heat supplied and a reduction in CO2 emissions. The entirety of the activities thus serves to improve the efficiency of heat transmission and is in line with the Development Strategy of the City of Gliwice until 2040 and the operational objective (CO3.2.2 Creating an energy supply system integrating different energy sources and types of distribution networks) and with the strategic assumptions for energy transformation until 2050 of PEC Gliwice.



Industry/Sector

- Energy & renewables

Parties of LGD/Participating parties

- Miasto Gliwice (the City of Gliwice) – Local public administration
- Przedsiębiorstwo Energetyki Ciepłej Sp. z o.o. (The Heat Company) – Public company
- Zarząd Budynków Miejskich II Towarzystwo Budownictwa Społecznego Sp. z o.o. w Gliwicach (Municipal Buildings Management No. 2 Social Housing Association) – Public company

Scope of LGD

- Accomplishment of adjustments at 110 heat exchange stations to reduce transmission losses;
- Improvement of the effectiveness of heat transmission;
- Savings in heat production;
- Increase of energy efficiency in buildings;
- Realisation of the strategic objectives indicated in the Development Strategy of the City of Gliwice until 2040, Gliwice 2040 - Energy supply system integrating different energy sources and types of network distribution.

Concrete measures/commitments

Local Green Deals contributes to:

- Development Strategy of the City of Gliwice until 2040, Gliwice 2040, target: C3.2. City of solutions conducive to the environment and nature / C.3.2.2 Energy supply system integrating different energy sources and types of network distribution.
- Environmental Protection Programme for the City of Gliwice for 2021-2024 with an perspective to 2028.
- Heat, electric energy and gaseous fuel supply plan assumptions for the city of Gliwice with a perspective to 2040.

Local Green Deal - waste heat recovery (from sewage) with Przedsiębiorstwo Energetyki Ciepłej

Gliwice - Poland

Short description

The agreement defines the scope of investment and the role of the participating entities in two ventures related to the management of surplus energy coming from cooling of the server room of the planned Data Centre and photovoltaic installations operating in the Transfer Centre in Gliwice. Śląska Sieć Metropolitalna Sp. z o.o. plans to build a comprehensive Data Centre facility. The Data Centre infrastructure will be based on the latest environmentally-friendly solutions. The installations planned within the Data Centre include: installation of photovoltaic panels, heat pump installation, waste heat recovery installation and intelligent energy management of the building. In addition, the PV installation and the heat pump installation will be used for heating and hot water purposes. In turn, the "Gliwice Transfer Centre" facility, managed by the Silesian Metropolitan Network Sp. z o.o., has a photovoltaic installation which, thanks to appropriate monitoring, once the energy needs of the facility have been guaranteed, has a considerable surplus of energy to manage. The agreement has a positive impact on the environment. The aim of the activities carried out is to reduce heat losses to the environment. All activities serve to improve the effectiveness of heat production and are in line with the Development Strategy of the City of Gliwice until 2040 and the operational objective (CO3.2.2.), which states about creating an energy supply system integrating various energy sources and types of distribution networks. By using waste heat and excess energy, heat consumers reduce the costs of purchasing ETS-EU allowances. Another positive aspect of the measures is the reduction of the CO2 footprint.



Industry/Sector

- Energy & renewables

Parties of LGD/Participating parties

- Miasto Gliwice (the City of Gliwice) – local public administration
- Przedsiębiorstwo Energetyki Ciepłej Sp. z o.o. (The Heat Company) – public company
- Śląska Sieć Metropolitalna Sp. z o.o. – public company

Scope of LGD

- Connection of a waste heat source >150 kWt;
- CO2 reduction;
- Exploiting the potential of a renewable energy source;
- Reducing the carbon footprint of the Gliwice Interchange Centre;
- Realisation of the strategic objectives indicated in the Development Strategy of the City of Gliwice until 2040, Gliwice 2040 - Energy supply system integrating different energy sources and types of network distribution.

Concrete measures/commitments

Local Green Deals contributes to:

- Development Strategy of the City of Gliwice until 2040, Gliwice 2040, target: C3.2. City of solutions conducive to the environment and nature / C.3.2.2 Energy supply system integrating different energy sources and types of network distribution.
- Environmental Protection Programme for the City of Gliwice for 2021-2024 with an perspective to 2028.
- Heat, electric energy and gaseous fuel supply plan assumptions for the city of Gliwice with an perspective to 2040.

Waste heat recovery (from sewage) with Przedsiębiorstwo Energetyki Ciepłej - Gliwice Sp. z o.o., Śląska Sieć Metropolitalna Sp. z o.o.”

Gliwice - Poland

Short description

The agreement of Gliwice defines the scope of investment and the role of the participating entities in two ventures related to the management of surplus energy coming from cooling of the server room of the planned Data Centre and photovoltaic installations operating in the Transfer Centre in Gliwice. Śląska Sieć Metropolitalna Sp. z o.o. plans to build a comprehensive Data Centre facility. The Data Centre infrastructure will be based on the latest environmentally-friendly solutions. The installations planned within the Data Centre include: installation of photovoltaic panels, heat pump installation, waste heat recovery installation and intelligent energy management of the building. In addition, the PV installation and the heat pump installation will be used for heating and hot water purposes. In turn, the "Gliwice Transfer Centre" facility, managed by the Silesian Metropolitan Network Sp. z o.o., has a photovoltaic installation which, thanks to appropriate monitoring, once the energy needs of the facility have been guaranteed, has a considerable surplus of energy to manage. The agreement has a positive impact on the environment. The aim of the activities carried out is to reduce heat losses to the environment. All activities serve to improve the effectiveness of heat production and are in line with the Development Strategy of the City of Gliwice until 2040 and the operational objective (CO3.2.2.), which states about creating an energy supply system integrating various energy sources and types of distribution networks. By using waste heat and excess energy, heat consumers reduce the costs of purchasing ETS-EU allowances. Another positive aspect of the measures is the reduction of the CO2 footprint.



Industry/Sector

- Energy & renewables

Parties of LGD/Participating parties

- Miasto Gliwice (the City of Gliwice) – local public administration Przedsiębiorstwo
- Energetyki Ciepłej Sp. z o.o. (The Heat Company) – public company
- Śląska Sieć Metropolitalna Sp. z o.o. – public company

Scope of LGD

- Connection of a waste heat source >150 kWt - CO2 reduction - exploiting the potential of a renewable energy source, - reducing the carbon footprint of the Gliwice
- Interchange Centre realisation of the strategic objectives indicated in the Development Strategy of the City of Gliwice until 2040, Gliwice 2040 - Energy supply system integrating different energy sources and types of network distribution.

Concrete measures/commitments

- Development Strategy of the City of Gliwice until 2040, Gliwice 2040, target: C3.2. City of solutions conducive to the environment and nature / C.3.2.2 Energy supply system integrating different energy sources and types of network distribution.
- Environmental Protection Programme for the City of Gliwice for 2021-2024 with an perspective to 2028
- Heat, electric energy and gaseous fuel supply plan assumptions for the city of Gliwice with an perspective to 2040.