Lp.	Nazwa działania	Sektor	Koszt inwestycji [PLN]	Koszt inwestycji [Euro]	Jednostka odpowiedzialna	Oszczędność energii (GWh/r)	Produkcja energii odnawialnej (GWh/r)	Redukcja emisji gazów cieplarnianych (tCO2eq/r)
1.	Bilans energetyczny i emisyjny (CO2) gminy Korfantów	Innowacyjna infrastruktura energetyczna	350 000 zł	€ 77 778	Urząd Miejski w Korfantowie	-	-	-
2.	Modernizacja kotłowni z zastosowaniem kotłów wodorowych	Innowacyjna infrastruktura energetyczna	3 500 000 zł	€ 777 778	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,350	0,029	125,00
3.	Wymiana węzłów cieplnych do podgrzewania ciepłej wody użytkowej z zastosowaniem pomp ciepła wspomaganych energią energetyczną lub kotłownią z zastosowaniem kotłów wodorowych.	Innowacyjna infrastruktura energetyczna	3 000 000 zł	€ 666 667	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,310	0,024	120,00
4.	Modernizacja (zapewniająca zmniejszenie energii elektrycznej oraz cieplnej) istniejących central wentylacyjnych pracujących na potrzeby szatni centralnej oraz zaplecza technicznego basenu, polegająca na wymianie automatyki i sterowania z wykorzystaniem falowników.	Innowacyjna infrastruktura energetyczna	500 000 zł	€ 111 111	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,100	-	17,000

Lp.	Nazwa działania	Sektor	Koszt inwestycji [PLN]	Koszt inwestycji [Euro]	Jednostka odpowiedzialna	Oszczędność energii (GWh/r)	Produkcja energii odnawialnej (GWh/r)	Redukcja emisji gazów cieplarnianych (tCO2eq/r)
5.	Modernizacja (zapewniająca zmniejszenie energii elektrycznej oraz cieplnej) istniejących central wentylacyjnych pracujących na potrzeby: przychodni, pracowni RTG, działu farmacji, izby przyjęć polegająca na wymianie nagrzewnic elektrycznych na nagrzewnice wykorzystujące energię pomp ciepła.	Innowacyjna infrastruktura energetyczna	500 000 zł	€ 111 111	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,100	-	17,000
6.	Ocieplenie ścian, stropodachu wymiana stolarki drzwiowej i okiennej w pawilonie łóżkowym.	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	2 900 000 zł	€ 644 444	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,326	-	53,830
7.	Wymiana stolarki okiennej i drzwiowej w budynku "Zamek"	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	1 000 000 zł	€ 222 222	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,100	-	15,000
8.	Modernizacja CO (wymiana sieci wewnętrznej, grzejników, modernizacja węzłów z automatyczną regulacją systemu CO) w budynku "Zamek"	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	1 000 000 zł	€ 222 222	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,100	-	15,000
9.	Modernizacja CO (wymiana sieci wewnętrznej, grzejników, automatyczna regulacja systemu) w budynku pawilonu łóżkowego	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	1 300 000 zł	€ 288 889	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,100	-	15,000

Lp.	Nazwa działania	Sektor	Koszt inwestycji [PLN]	Koszt inwestycji [Euro]	Jednostka odpowiedzialna	Oszczędność energii (GWh/r)	Produkcja energii odnawialnej (GWh/r)	Redukcja emisji gazów cieplarnianych (tCO2eq/r)
10.	Zmiana oświetlenia z tradycyjnego na energooszczędne typu led w budynku pawilonu łóżkowego	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	900 000 zł	€ 200 000	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,050	-	7,000
11.	Zmiana oświetlenia z tradycyjnego na energooszczędne typu led w budynku "Zamek"	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	700 000 zł	€ 155 556	Opolskie Centrum Rehabilitacji Sp. z o.o.	0,050	-	7,000
~~12.~~	Termomodernizacja wraz z wymianą źródła ogrzewania świetlicy wiejskiej w jednej z naszych miejscowości Przechód	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	1 000 000 zł	€ 222 222	Urząd Miejski w Korfantowie	0,026	-	5,000
~~13.~~	Termomodernizacja wraz z wymianą źródła ogrzewania budynku mieszkalnego-komunalnego.	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	1 000 000 zł	€ 222 222	Urząd Miejski w Korfantowie	0,020	-	4,800
14.	Modernizacja źródła ciepła w indywidualnych gospodarstwach domowych	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	800 000 zł	€ 177 778	Urząd Miejski w Korfantowie	2,800	-	500,000
15.	Oświetlenie uliczne	Oświetlenie publiczne	150 000 zł	€ 33 333	Urząd Miejski w Korfantowie	0,050	-	2,000

Lp.	Nazwa działania	Sektor	Koszt inwestycji [PLN]	Koszt inwestycji [Euro]	Jednostka odpowiedzialna	Oszczędność energii (GWh/r)	Produkcja energii odnawialnej (GWh/r)	Redukcja emisji gazów cieplarnianych (tCO2eq/r)
16.	Wymiana źródła ogrzewania w obu budynkach Urzędu Gminy	Budynki użyteczności publicznej (w tym budynki socjalno-czynszowe i publiczne budynki mieszkalne)	600 000 zł	€ 133 333	Urząd Miejski w Korfantowie	0,020	-	4,800

EUCF European City Facility

Please note that the EUCF application form must be submitted in **English language.** EUCF 2.0 LIFE version

Identification of the application

Application ID 06PL001359R

1. Identification of the applicant

1.1 Type of applicant Municipality / local authority

1.2 Name of the municipality/local authority commune Korfantow

1.3.1 LAU and NUTS 3 code of the municipality/local authority or of each municipality/local authority in case of a grouping

Lead applicant	Country	NUTS 3	Municipality/local authority	LAU Code
◉	Poland	Nyski	Korfantów	1003161310703

1.3.2 Country Poland

1.4 Population size 8381

1.5 Contact person Kazimierska Katarzyna

1.6 Organization Local government

1.7 Department Economy, real estate and ecology

1.8 Street, No. Rynek 4

1.9 Postal Code, City 48-317 Korfantow

1.10 Phone number +48 774343850

1.11 Email katarzyna.kazimierska@korfantow.pl

2. Political commitments

2.1 Commitment to mitigation targets

Please upload your Sustainable Energy and Climate Action Plan (SECAP) or other local climate and/or energy plan with mitigation targets established by the municipality/local authority, grouping or local public entity aggregating municipalities/local authorities and fill the required information in the summary below. Please note that the submission of a SECAP or other local climate and/or energy plan with mitigation targets is mandatory for the EUCF application as well as filling the summary below. The submitted plan and the provided information will be verified during the evaluation.

Choose a file or drag it here.
Zalacznik1 XLV_409_2022.pdf (3,0 MB)

A. General information about the plan

Title of the plan: Low Emission Management Plan for the

Time period covered by the plan: 2022-2030

Call is already closed

URL of the plan, if available	https://bip.korfantow.pl/8527/237/uchw
Brief description of the plan	The purpose of the study is to define a vision for the development of the municipality towards a low-carbon economy. The essence of the plan is to provide economic, social and

B. Mitigation targets established by the plan

Please provide in the table below the main mitigation targets established in the submitted SECAP or other local climate and/or energy plan. For each target, please provide the corresponding indicator, unit and target year as well as the number of the page where the mitigation target is addressed. Other targets can be added in the last row of the table. Please note that at least one mitigation target must be filled in the table for the submission of the application.

Key targets	Target value	Unit	Target year	Page number
Energy savings	6 684.000	MWh	2030	9
Renewable energy production	2 772.000	MWh	2030	9
GHG emissions reduction	2 351.000	tonnes	2030	9
Reduction of pollutants to air in the Ny	134.000	tonnes/year	2026	13

2.2 Political commitment to the development of the investment concept

Please upload the Letter of political support to the development of the investment concept within the EUCF. Please note that the submission of the letter of support is mandatory for the EUCF application as well as the use of the provided [template].

Choose a file or drag it here.
Template__Letter_of_Su... (150,9 kB)

2.3 Declaration by the applicant

Municipalities/local authorities, groupings of municipalities/local authorities and local public entities aggregating municipalities/local authorities are able to benefit only once from the EUCF support. Beneficiaries from previous calls are not able to participate again in the calls for applications. Please confirm that this is not the case by checking the box below:

☑ I hereby confirm that the applicant municipality(ies)/local authority(ies) or local public entity aggregating municipalities/local authorities have not yet benefited from EUCF support in previous calls for applications

3. Proposed investment project

3.1 Title of proposed investment concept Innovative energy technologies for the municipality of Korfantow

3.2 Project description and objectives

Please briefly describe the proposed investment project, addressing its relevance for the municipality/local authority, grouping or local public entity aggregating and the main objectives to be achieved with its implementation. (max. 1,500 characters, including spaces)

The project is of key importance to the municipality, local authorities and residents. The main objective of the project is to develop a concept for innovative measures to support the pursuit of maximum CO2 reduction. An important element of the concept will be the implementation of a measure to install a hydrogen boiler. Once the investment is realised, CO2 emissions will be reduced or completely eliminated. It will be very important for the municipality to carry out a detailed energy and (CO2) emission balance of the municipality. Carrying out an energy audit of the municipality will make it possible to determine the current energy and emission situation of the municipality, identify priorities for energy saving and CO2 reduction and monitor

3.3 Implementation period

Please state (in months) the period foreseen for the implementation of the proposed investment project after the development of the investment concept.

3.3 Implementation period 72 months

3.4 Main investment sector targeted

Please indicate the main sector targeted by the proposed investment project. More information about the definition of each inve

Call is already closed

be found in the [EUCF Guidelines for Applicants].

- ○ Public buildings (incl. social-rental and public housing)
- ○ Private non-residential buildings
- ○ Private residential buildings
- ○ Building integrated renewables
- ○ District heating and cooling networks
- ○ Sustainable urban mobility
- ◉ Innovative energy infrastructure
- ○ Renewable energy production infrastructure
- ○ Public lighting
- ○ Other sectors (please specify below)

3.5 Governance for investment concept development

Please describe the internal organisational structure for the development of the investment concept. The description must include:
• a clear identification of the roles and responsibilities of the actors involved;
• a brief description of decision-making processes, highlighting the actors with decision-making power and outlining how decisions are made within the organisational structure;
• a brief assessment of whether internal capacities are sufficient for the investment concept development, identifying the need for external experts and how they can provide added-value (e.g. areas with need for capacity building).
(max. 1,500 characters, including spaces)

The Mayor of Korfantow will be the main entity responsible for concept development and implementation. The President of the Opole Rehabilitation Centre (OCR) in Korfantow (role: main decision makers of the concept) will also be a co-beneficiary of the activities. The internal capacities of the municipality are partly provided, the involvement of an external team and experts in selected areas is necessary to secure the needs of the project.
Project team:
- Project manager: project management, budget, risk, scope, quality, industry knowledge, problem solving, collaboration with

3.6 Engagement of stakeholders

Please describe the proposed strategy for stakeholder engagement for the development of the investment concept. The description must include:
• the identification of relevant stakeholders for the proposed investment concept (e.g. civil society, businesses, economic actors, etc);
• a brief description of the needs and expectations of identified stakeholders towards the proposed investment concept;
• a brief description of the envisaged strategy to involve the identified stakeholders in the process of development of the investment concept, including planned engagement activities, their objectives and timing for implementation;
• the definition of potential communication instruments to engage the identified stakeholders.
(max. 1,500 characters, including spaces)

Identification of stakeholders:
- Organisations (NGOs, local associations e.g. Association of Friends of Disabled Children "Promyk")
- Enterprises (e.g. ORC)
- Local (Municipality of Korfantow) and regional authorities (Marshal's Office of the Opole Province)
- Inhabitants of the investment area, patients of ORC
- Environmental protection institutions

3.7 Intended measures

Please fill the table below stating the foreseen technology measures to be financed with the investment concept as well as their corresponding investment sector, investment costs (CAPEX) and associated impacts in terms of energy savings (in GWh/y), renewable energy generation (in GWh/y) and GHG emissions reduction (in tCO2eq/y). Keep in mind that the implementation of the described measures should be foreseen to be implemented within the period indicated in 3.3.

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Intended measure	Investment sector	Investment cost ...	Energy savings (...	Renewable ener...	GHG emissions r...
Energy and emiss	Innovative en...	78 000			
Modernisation of	Innovative en...	780 000	0.350	0.029	125.000
Replacement of h	Innovative en...	670 000	0.310	0.024	1

Call is already closed

Upgrading (ensu	Innovative en...	120 000	0.100		17.000
Refurbishment (t	Innovative en...	120 000	0.100		17.000
Insulation of wall	Public buildin...	650 000	0.326		53.800
Replacement of v	Public buildin...	230 000	0.100		15.000
Modernisation of	Public buildin...	230 000	0.100		15.000
Modernisation of	Public buildin...	290 000	0.100		15.000
Change of lightin	Public buildin...	200 000	0.050		7.000
Change of lightin	Public buildin...	155 000	0.050		7.000
Modernisation of	Public buildin...	180 000	2.800		500.000
Street lighting (M	Public lighting	33 000	0.050		2.000
Thermomodernis	Public buildin...	220 000	0.026		5.000
Thermomodernis	Public buildin...	220 000	0.020		4.800
Replacement of t	Public buildin...	135 000	0.020		4.800
		4 311 000	4.502	0.053	908.400

Please use this section to provide any additional comment or information to the intended measures, investment costs and expected impacts described in the table above. In case “other sectors” are indicated in the table, please specify (max. 500 characters, including spaces)

Sources of cost information come from: energy audits, investor information, estimation based on: https://www.cire.pl/; https://www.pg.gda.pl/, https://uslugirozwojowe.parp.gov.pl/.
Investment activities also include: market analysis, financing, risks, feasibility study, recommendations.

3.8 Expected size of investment

The figure below summarises the total investment costs (CAPEX) indicated for the intended measures in the table in section 3.7. Please verify the provided figure and make corresponding adjustments to the figures in 3.7, if necessary.

3.8 Expected size of investment: 4 311 000 EUR

3.9 Expected impacts

The figures below for expected energy savings, renewable energy production and GHG emissions reduction summarise the total impacts indicated in the table in section 3.7. Please verify the provided figures and make corresponding adjustments to the figures in 3.7, if necessary.

Expected energy savings	4.502	GWh/y
Expected renewable energy production	0.053	GWh/y
GHG emissions reduction	908.400	tCO_2eq/y

Other expected impacts

Please use this section to outline if any initial estimations for other impacts (e.g. job creation, reduction of air pollution, etc.) have already been made. (max. 500 characters, including spaces)

Increased energy independence. Increased efficiency of electricity/hydrogen conversion to heat energy. Reduction in respiratory diseases (persons). Increased property value (EURO). Reduction in heating and cooling costs (EURO). Reduced emissions of particulate matter and other pollutants (tonnes/year). Reduced consumption of energy resources (tonnes/year).

3.10 Potential for replication and/or upscaling

Please explain how the investment project could potentially be replicated in other contexts and/or up-scaled – (max. 1,000 characters, including spaces)

Call is already closed

Replication potential: the innovative solutions developed as part of the project offer the possibility of replicating it in other municipalities (e.g. Opole, Nysa, K-Koźle) in the country, as well as in other public and private buildings. The innovative technological project can be modified and adapted to the needs of other investors interested in hydrogen technology.
Scaling potential: Includes the possibility to expand the investment project by: increasing the number of beneficiaries; expanding the scope of activities; making the results of the analysis and research available to other investors through training and meetings.
Acquire additional funding: it is possible to share project documentation, training and advice on implementing similar projects

+ 4. Use of EUCF support

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