



AREA²¹

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Local Action Plan for the Energy Improvement District Strategy for Wieniawa District in Lublin

The Action Plan has been developed for the needs of the Municipality of Lublin as part of the „AREA 21 – Baltic Smart City Areas in the 21st Century” project

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Lublin 2020



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Table 1. Goal 1: Reduction of final energy consumption by 15%.

No.	Action / Activity	Timeframe	Responsible entities	Funding	Measurements
1.	Thermo-modernisation of buildings (in terms of thermal insulation, replacement of lighting for less energy-consuming and replacement of woodwork) and promotion of energy-efficient construction.	Long-term until 2027	Municipality of Lublin, housing cooperatives, residents, entrepreneurs.	Own contribution of entities, Regional Operational Programme, National Fund for Environmental Protection and Water Management.	Number of buildings that underwent thermo-modernisation
2.	Thermo-modernisation of buildings (in terms of thermal insulation, replacement of lighting for less energy-consuming and replacement of woodwork) managed by Housing Cooperative "Centrum" (1-2 buildings per year).	Long-term until 2027	Housing Cooperative "Centrum"	Own contribution of entities, Regional Operational Programme.	Number of buildings that underwent thermo-modernisation.
3.	Elimination of coal-fired boilers in buildings (e.g. under the Low Emission Reduction Programme).	Long-term until 2027	Municipality of Lublin, building owners and managers, entrepreneurs.	Own contribution of entities, Municipality of Lublin, Regional Operational Programme., National Fund for Environmental Protection and Water Management.	Number of replaces boilers.
4.	Modernisation of the power grid.	Long-term until 2027	Polish Energy Group	Own contribution of entities, Regional Operational Programme.	Scope of work carried out.
5.	Modernisation of the heating network.	Long-term until 2027	District Heating Company in Lublin	Own contribution of entities, Regional Operational Programme.	Scope of work carried out.
6.	Modernisation of lighting in communal facilities: public buildings, parks, squares, etc. Modernisation of lighting along with street renovations.	Long-term until 2027	Municipality of Lublin	Own contribution of entities, Regional Operational Programme, National Fund for Environmental Protection and Water Management.	Scope of work carried out.



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No.	Action / Activity	Timeframe	Responsible entities	Funding	Measurements
7.	Replacement of lighting with LED lights and installation of occupancy sensors.	Short-term until 2022	Cultural institution - "Labyrinth" Gallery	Own contribution of entities, external funding.	Scope of work carried out.
8.	Thermal imaging of buildings with the use of the infra-red camera owned by the Municipality of Lublin.	Long-term until 2027	Municipality of Lublin	Municipality of Lublin	Number of audits carried out.



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Table 2. Action Plan – Goal 2: Increase of renewable energy production by 50%.

No.	Action / Activity	Timeframe	Responsible entities	Funding	Measurements
1.	Issuing opinions on local zoning plans with regard to allowing the implementation of RES installations.	Long-term until 2027	Municipality of Lublin	Municipality of Lublin	Number of local zoning plans consulted.
2.	Equipping buildings in RES micro-installations.	Long-term until 2027	Building owners and managers	Own contribution of entities, Regional Operational Programme, National Fund for Environmental Protection and Water Management.	Type and power of RES micro-installations installed.
3.	Consultancy on gaining external funds for the construction of RES micro-installations.	Long-term until 2027	Municipality of Lublin, Energy Advisers.	Own contribution of entities.	Number of advice given.

Table 3. Action Plan – Goal 3: Increase in ecological awareness of the residents of the district.

No.	Action / Activity	Timeframe	Responsible entities	Funding	Measurements
1.	Conducting an educational and information campaign on raising the ecological awareness of the residents in the field of improving the quality of air in the city.	Long-term until 2027	Municipality of Lublin, schools.	Own contribution of entities, Regional Operational Programme, Regional Fund for Environmental Protection and Water Management in Lublin.	Number of campaigns carried out; amount of funding allocated-
2.	Conducting an educational and information campaign promoting the habits of saving heat and electricity.	Long-term until 2027	Municipality of Lublin, schools.	Own contribution of entities, Regional Fund for Environmental Protection and Water Management in Lublin.	Number of campaigns carried out; amount of funding allocated-
3.	Conducting educational activities among employees in the field of rational use of energy.	Short-term until 2022	Cultural institution - "Labyrinth" Gallery	Own contribution of entities.	Number of staff educated.
4.	Creation of a section on the Lublin City website containing up-to-date information on available forms and sources of financial and administrative support.	Short-term until 2022	Municipality of Lublin	Own contribution of entities.	Frequency of information updates.
5.	Community festivals held in Wieniawa District.	Long-term until 2027	Wieniawa District Council with support of District Heating Company in Lublin. Marshal Office and Municipality of Lublin.	Own contribution of entities, external funding.	Number of events carried outs
6.	Distribution of leaflets and posters concerning the efficient use of district heating in multi-family residential buildings.	Long-term until 2027	Housing cooperatives with support of District Heating Company in Lublin	Own contribution of entities.	Number of leaflets and poster handed out.



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No.	Action / Activity	Timeframe	Responsible entities	Funding	Measurements
7.	Ecological picnic held in Wieniawa District (lectures, competitions for children, demonstration of RES installations).	Long-term until 2027	St. Queen Jadwiga School No. 21 in Lublin	Own contribution of entities.	Number of events carried out; the amount of funding allocated; number of participants.
8.	Organization of a series of meetings with seniors entitled "Ecology on a micro scale".	Long-term until 2027	"tu obok" Foundation	Own contribution of entities.	Number of meetings carried out; number of participants.
9.	Educational and ecological project entitled "Heat Lessons", addressed to pupils on primary education level (a series of classes).	Long-term until 2027	District Heating Company in Lublin	Own contribution of entities.	Number of meetings carried out.
10.	Distribution of certificates confirming the connection of the building to the municipal heating network.	Short-term until 2022	District Heating Company in Lublin, Municipality of Lublin.	Own contribution of entities.	Number of buildings certified.