Greening Performance Report

FOR THE AGREEMENT OF 5 MAY 2010 ENTERED INTO WITH THE EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT REPRESENTING THE GOVERNMENT OF IRELAND

For 2012, as of 31 December 2012

National Fund for Environmental Protection and Water Management
National Operator of the Green Investment Scheme
Climate Protection Department
Green Investment Scheme Unit
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1. Summary

1.1. Background

The Agreement (hereinafter referred to as the Agreement) with the European Bank for Reconstruction and Development (EBRD) representing the Government of Ireland was signed on 5 May 2010. The commercial value of the Agreement amounts to EUR 15,000,000.00. On 26 October 2010 the Climate Account, owned by the National Fund for Environmental Protection and Water Management acting as the National Operator of the Green Investment Scheme, was credited with the amount equivalent to the commercial value of the Agreement, which after currency conversion amounted to PLN 58,912,500.00.

1.2. Summary of the obligations arising from Assigned Amount Unit (AAU) Purchase Agreement

In the implementation of obligations under the AAU Purchase Agreement, the National Fund for Environmental Protection and Water Management (NFEPWM / the National Fund) will guarantee that the Proceeds will be disbursed on the Greening Programmes listed below:

- Agricultural biogas plants (25% of the funds provided under the transactions);
- Biomass-fired combined heat and power plants and heat plants (25% of funds provided under the transactions);
- Energy management in public utility buildings (50% of funds provided under the transactions).

The amount of up to 5%, i.e. PLN 3,178,899, of the Proceeds can be assigned to cover the costs of implementing the national Green Investment Scheme, including:

- a) Technical assistance for eligible beneficiaries in preparation and development of Greening Projects;
- b) Marketing and promotion of Greening Programmes;
- c) Management and administration of the Greening Plan and Greening Projects by the Seller or the Operator of the Green Investment Scheme;
- d) The Monitoring Committee operations;
- e) Monitoring, verification and audits, including external auditors and reviewers.

The Agreement specifies the following deadlines for performance of commitments:

<table>
<thead>
<tr>
<th>Programme</th>
<th>Announcement for the calls for proposals(^1)</th>
<th>Making commitments</th>
<th>Disbursement of proceeds</th>
<th>Implementation of the projects</th>
<th>Monitoring of the projects</th>
</tr>
</thead>
</table>

\(^1\) Pursuant to the Agreement the announcements on launching the calls for proposals should be published by 30.06.2010. By way of a letter of 30.06.2010 the Buyer has granted consent to postpone the deadline for announcements on launching the calls for proposals to 30.07.2010.

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Greening Investment Agreement for the Agreement of 5 May 2010 entered into with the EBRD representing the Government of Ireland.
1.3. Call for proposals

The calls for proposals take place under a competition procedure. Information on the earlier calls for proposals and results thereof were presented in reports for 2010 and 2011.

In 2012 three projects, which were initially selected under the call for proposals of 2011, were finally eligible for co-financing. Co-financing agreements for two of them were concluded in 2012. Another Agreement will be concluded in 2013.

In 2012 the second call for proposals was announced under the Greening Programme “Agricultural biogas plants”, which was published on 26.04.2012.

1.4. Financial performance of Projects

In 2012, the National Fund transferred funds to the beneficiaries in the amount of PLN 22,275,275.24. The amount of PLN 533,090.94 was transferred under technical assistance - PLN 272,802.06 was transferred to beneficiaries, PLN 260,288.88 were the costs of the National Operator of GIS.

Funds in the bank account were:
- as of 01.01.2012: PLN 61,250,542.62;
- interest accrued in 2012: PLN 2,200,099.73.

1.5. Environmental effect

Commitments concerning the projects implementation effects defined in the AAU Agreement

<table>
<thead>
<tr>
<th>Greening Programme</th>
<th>Indicator</th>
<th>Value according to the AAU agreement</th>
<th>Implementation according to commitments stated in the co-financing agreements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural biogas plants</td>
<td>Installed power (MWe)</td>
<td>3</td>
<td>4.80</td>
</tr>
<tr>
<td></td>
<td>Production of electric energy (GWh)</td>
<td>26.1</td>
<td>36.89</td>
</tr>
<tr>
<td></td>
<td>Reduction of CO2 emissions (Mg/year)</td>
<td>not specified in the Agreement</td>
<td>36,004.00</td>
</tr>
<tr>
<td>Biomass-fired combined heat and power plants and heat plants</td>
<td>Installed power (MWh)</td>
<td>16</td>
<td>9.79</td>
</tr>
<tr>
<td></td>
<td>Production of thermal energy (GWh of heat)</td>
<td>131.2</td>
<td>62.66</td>
</tr>
<tr>
<td></td>
<td>Reduction of CO2 emissions (Mg/year)</td>
<td>not specified in the Agreement</td>
<td>26,683.20</td>
</tr>
<tr>
<td>Thermal modernisation</td>
<td>Number of buildings</td>
<td>30</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>Energy savings GWh</td>
<td>39</td>
<td>38.45 GWh</td>
</tr>
</tbody>
</table>
1.6 Timetable for implementation
For co-financing agreements concluded in 2012, the deadline for implementation of projects is 31.12.2013. Detailed information on the deadlines for projects’ implementation is included in the Annex in Table 8.1.

2. Performance of the call for proposals

2.1. Agricultural biogas plants


In 2012, as a result of the conducted first call for proposals, the National Fund has signed 4 co-financing agreements under the Greening Programme.

The second competition under the priority programme “GIS – Green Investments Scheme Part 2) Agricultural biogas plants” was announced on 26.04.2012.

The main assumption behind the second competition was: 100% readiness of projects for implementation given the need for their completion by 31.12.2013.

In the second call for proposals the amount of funds allocated to co-financing of projects is in the form of grants was PLN 147.40 million.

The call for proposals was open from 04.05.2012 to 31.07.2012. 26 applications for co-financing were submitted under the call for co-financing for the total grant amount of PLN 156.30 million and 24 applications for combined co-financing for the total amount of loans amounting to PLN 214.45 million thousand; the total cost of projects amounted to PLN 633.47 million.

During the assessment of 26 applications, 9 were rejected due to negative assessment result and one of the applicants resigned from applying for co-financing. The status of the assessed applications as of 2012 was the following: 8 applications were positively assessed or received conditional positive assessment, 4 applications were at the stage of final assessment, in case of 2 applications the National Fund requested the applicants to supplement documents; 1 applicant failed to submit the supplements in the required deadline, the second applicant finally received a negative assessment.

The results of the assessment conducted by the National Fund as of the end of December 2012 pointed to positive perspectives for 14 projects applying for co-financing in the form of: a grant amounting to PLN 72,075.10 thousand, and a loan to the amount of PLN 107,233.81 thousand.

The assessment of applications was completed in 2013, the final results will be presented in the report for 2013.

2.2. Biomass-fired combined heat and power plants and heat plants

Information on the progress of the call for proposals under the priority programme “Green Investment Scheme (GIS) Part 3 – Biomass-fired combined heat and power plants and heat plants” was presented in reports for 2010 and 2011. As a result of the conducted call for proposals, the
National Fund has signed an agreement with one applicant under this Greening Programme. The second of the applicants resigned.
There were no calls for proposals under the Programme in 2012.

2.3. Energy management in public utility buildings
In 2012 as a result of negotiations conducted with the applicants the National Fund selected 3 projects for co-financing after the call for proposals held under the aforementioned programme.
As a result of the conducted calls for proposals, the National Fund has signed a total of 9 agreements with the applicants under this Greening Programme.

3. Description of the Projects that received co-financing from the funds of the Climate Account

3.1 Agricultural biogas plants
The total parameters of the facility covered by co-financing include:
- installed thermal power: 4.84 MWt
- installed electric power: 4.8 MWc

The planned thermal energy production amounts to 22,244.3 GJ/year and electricity production to 36,887 MWh/year. By the end of 2012 none of the projects consisting in construction of an agricultural biogas plant has been completed.

3.2 Biomass-fired combined heat and power plants and heat plants
The total parameters of the facility covered by co-financing include:
- installed thermal power: 9.79 MWt
- installed electric power: 1.86 MWc

The planned thermal energy production amounts to 22,556.2 GJ/year and electricity production to 14,888 MWh/year.
By the end of 2012 none of the projects consisting in construction or modernisation of a biomass-fired combined heat and power plant has been implemented.

3.3 Energy management in public utility buildings
The projects which received co-financing concern thermal modernisation of 74 buildings, including e.g.: educational (10 facilities), health care (15 facilities), universities (9 facilities).
The planned energy saving is 138,415.1 GJ/year, and the planned emission reduction - 9,988.5 Mg CO2/year.
As part of all the projects, construction works concerning thermal modernisation have been launched. By the end of 2012, two projects concerning thermal modernisation of buildings were completed in material terms and settled.
Detailed information on the planned scope of works and completed projects can be found in Tables describing the respective projects placed in the Annex.
4. Financial performance of Projects

4.1 Conclusion
In 2012, PLN 22,279,275.24 has been spent on the investment part for the beneficiaries and technical assistance. In 2012, over 35% of Proceeds (income with interest) has been spent as compared to 1% in 2011. Detailed information on the financial performance is included in the Annex in Table 8.2.

4.2 Distribution of total costs by Greening Programmes

The following presents information on the total costs for Projects which received co-financing (i.e. for which co-financing agreements were concluded).

<table>
<thead>
<tr>
<th>Programme</th>
<th>Total cost [PLN]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural biogas plants (4 projects)</td>
<td>64,182,616.68</td>
</tr>
<tr>
<td>Biomass-fired combined heat and power plants and heat plants (2 projects)</td>
<td>22,070,000</td>
</tr>
<tr>
<td>Energy management in public utility buildings (9 projects)</td>
<td>101,608,922.28</td>
</tr>
</tbody>
</table>

4.3 Distribution of eligible costs by Greening Programmes

The following presents information on eligible costs for Projects which received co-financing (i.e. for which co-financing agreements were concluded).

<table>
<thead>
<tr>
<th>Programme</th>
<th>Eligible cost [PLN]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural biogas plants (4 projects)</td>
<td>60,117,843.00</td>
</tr>
<tr>
<td>Biomass-fired combined heat and power plants and heat plants (1 project)</td>
<td>15,760,000.00</td>
</tr>
<tr>
<td>Energy management in public utility buildings (9 projects)</td>
<td>98,500,665.10</td>
</tr>
</tbody>
</table>

4.4 Transfer of Proceeds from the sale of AAUs to Beneficiaries by Greening Programmes

The following is the information on grants transferred to beneficiaries.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Grant amount paid to beneficiaries in 2012 [PLN]</th>
<th>Total grant amount paid to beneficiaries [PLN]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural biogas plants (4 projects)</td>
<td>2,876,477.99</td>
<td>2,876,477.99</td>
</tr>
<tr>
<td>Biomass combined heat</td>
<td>4,728,000.00</td>
<td>4,728,000.00</td>
</tr>
</tbody>
</table>
4.5 Funds returned, unused or used contrary to the terms of co-financing agreements

No ill use of funds was ascertained in the reporting period.

4.6 Use of Proceeds for administrative purposes

From the amount of PLN 3,178,898 allocated to administrative purposes, constituting up to 5% of Proceeds from the Agreement together with interest, the amount of PLN 533,090.94 was paid, under which the funds transferred to beneficiaries are PLN 272,802.06. The costs of the National Operator of GIS amounted to PLN 260,396.86.

5. Greening Effect

For the projects selected for co-financing under the Greening Programme “Energy Management in public utility buildings”, for which co-financing agreements were concluded in 2011, the total planned environmental effect, as of the end of 2012, amounted to CO₂ emission reduction equaling 4,906.5 Mg CO₂/year.

For 3 projects selected for co-financing under the Greening Programme “Energy Management in public utility buildings”, for which co-financing agreements were concluded in 2012, the total planned environmental effect amounted to CO₂ emission reduction equaling 5,082.0 Mg CO₂/year.

In total, for 9 projects selected for co-financing under the Greening Programme “Energy Management in public utility buildings”, for which co-financing agreements were concluded in 2011 and 2012, the planned environmental effect, as of the end of 2012, amounted to CO₂ emission reduction equaling 9,988.5 Mg CO₂/year.

For 4 projects selected for co-financing under the priority programme “Green Investment Scheme Part 2) Agricultural biogas plants”, for which co-financing agreements were concluded in 2011 the total planned environmental effect, as of the end of 2012, amounted to CO₂ emission reduction equaling 36,004.00 Mg/year.

For 1 project selected for co-financing under the Greening Programme “Biomass-fired combined heat and power plants and heat plants”, for which co-financing agreements were concluded in 2011, the planned environmental effect, as of the end of 2012, amounted to CO₂ emission reduction equaling 2,668.2 Mg/year.

Co-financing from the funds under this AAV Purchase Agreement was granted to a total of 14 projects with a total planned environmental effect, as of the end of 2012, amounting to CO₂ emission reduction equaling to 72,675.5 Mg CO₂/year.

Detailed information on the planned environmental effect estimated for individual projects is included in Annex, Table 8.3.

In 2012, 2 greening projects have been completed. For these projects, Beneficiaries were required to provide the National Fund with verified interim reports on environmental effect achieved in 2012.

Given that:

- the Agreement with the Buyer determines planned annual indicators for greening;

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Greening Performance Report for the agreement of 5 May 2010 entered into with the DNO representing the Government of Ireland
• the projects have been completed in the second half of 2012, often in the last days of December;
• beneficiaries reported the environmental effect which has been achieved only in the period from the date of completion of the project to 31 December 2012. Depending on the case, it was ever just a few days time;
• The level of the environmental effect derived from the implementation of Greening Projects is expressed on the basis of annual energy savings. The consumption of thermal energy is directly related to the length of the heating season, i.e. the period during which the weather conditions make it necessary to continuously supply heat to buildings. In Poland, the average heating season lasts from October to April. The energy consumption depends in particular on the length of the day. In Poland, the shortest days in the year are in the period from November to February. Thus, on the basis of the environmental effects achieved only in a certain period of the year, one cannot conclude whether the planned (at the level of the project) annual environmental effect will be achieved.

this report does not present detailed information on Greening Effect achieved in 2012.

6. Compliance with environmental requirements

6.1 Summary of issues addressed in the Environmental Impact Assessments

In case of Greening Programmes concerning the agricultural biogas plants and biomass-fired combined heat and power plants and heat plants, the competition-related documents indicated that the applicants have to meet relevant requirements arising from the environmental protection regulations, including the environmental impact assessments.

In terms of projects concerning agricultural biogas and biomass-fired combined heat and power plants and heat plants, below is a summary of environmental impact assessments accompanying applications for co-financing.

• Environmental Impact Assessments, completed with the required report, preceded the decision on the environmental conditions of approval for the project implementation. The obligation to prepare environmental impact report results from the regulations in force in Poland and applies to investments that could significantly affect the environment (Ordinance of the Council of Ministers of 9 November 2004 on the types of projects that may significantly affect the environment and the specific conditions related to qualifying projects to prepare an environmental impact report (Dz.U. No. 257 of 2004, item 2573, as amended).

• Environmental impact assessments described in detail the material scope of the assessed investment and analysed its impact on individual elements of the environment, such as: nature and landscape, including the impact on NATURA 2000 sites, human health, the land surface, greenery, water and sewage management, air and climate, acoustic climate. Analyses in this area amounted to an indication of the potential risks and verification and next confirmation that Polish regulations will not be violated.

• The report of this assessment indicated actions to be implemented during construction and operation to minimise the negative impact on the individual elements of the environment.

• The procedure for decisions on environmental conditions of approval for the project implementation involved the local community (social consultation) that was allowed to bring comments and objections. In the projects approved for co-financing, local communities ultimately accepted investments within the territory of their gminas.

• Conducted environmental impact assessments and decisions issued on their basis on the environmental conditions of approval allowed for the final building permits to be issued.
As regards the activities concerning thermal modernisation of existing buildings, the most important environmental requirement is protection of species of birds and bats. Therefore, the instructions concerning their protection were annexed to the Priority Programme. All beneficiaries were obliged to abide by them during the implementation of projects.

6.2 Procedure for obtaining the required legal and formal documents concerning the environment and construction

Completion of the process of acquisition of all the legal and formal documents required for the implementation of the investment was necessary to complete the assessment of applications for agricultural biogas plants.

Applicants have obtained all the necessary formal and legal documents, such as:
- environmental decisions,
- building permits,
- promises of energy concessions,
- contracts of sale/purchase of electricity and/or heat.

For projects under the programme “Energy management in public utility buildings”, the applicants submitted the necessary documentation confirming the possibility of performing works in the first year of the project.

7. Main Activities of the National Operator

7.1 GIS implementation issues addressed by the Operator

a) Given the fact that 50% of Proceeds from the Agreement has been allocated to the biogas and biomass projects the potential risk for funds disbursement lays in the uncertainty of the situation regarding these projects in the face of no RES act. This uncertainty directly affects the profitability level of these projects and no financial closure of the projects. In case of thermal modernisation projects another risk is the reduction in the value of co-financing upon settlement of the tenders for selection of contractors or settlement of works in amounts lower than envisaged at the time of signing the given project co-financing agreement. The National Fund monitors the status of the use of funds and it will start talks with the Buyer and possibly allocate released funds for projects to be selected in the subsequent calls for proposals for co-financing of projects on thermal modernisation.

b) In the period covered by this report one meeting of the Monitoring Committee was held on 9.10.2012, which featured presentation of the progress of the agreements implementation. During the meeting the issue of increasing the co-financing amount for thermal modernisation projects has been initially discussed. The position of Ireland was negative. On 12.12.2012 a teleconference on the issue was held with Ireland and EBRD/EIB; during the teleconference Ireland has granted consent to award to the beneficiaries implementing the thermal modernisation projects additional non-repayable co-financing from the funds of the National Fund, keeping at the same time the co-financing intensity from the GIS funds at the level od 30%.

c) During the Agreement implementation it was agreed with the Buyer that a part of the funds from the envelope allocated to biomass will be moved to co-finance biogas projects, thus there will be a reduction in the effect of activities (including the environmental effect) related to the implementation of the priority programme “Green Investment Scheme Part 3) Biomass-fired combined heat and power plants and heat plants”.

7.2 Other activities related to GIS management

Not applicable
8. Annexes

8.1 Table describing the projects that received co-financing from the Climate Account
8.2 Financial performance of projects
8.3 Table of environmental effects
### Table 1: Describing the projects that received co-financing from the Climate Account

<table>
<thead>
<tr>
<th>No. of co-financing agreement</th>
<th>Benefit area</th>
<th>Title of the project</th>
<th>Name of the project</th>
<th>Type of invested project</th>
<th>Start date</th>
<th>Progress</th>
<th>Summary for the implementers</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/2011</td>
<td>Agriculture</td>
<td>Thermal modernisation of the Collegio’s houses and laboratories of the University of Collioure</td>
<td>Thermal modernisation of the Collegio’s houses and laboratories of the University of Collioure</td>
<td>Thermal modernisation of the Collegio’s houses and laboratories of the University of Collioure</td>
<td>01.03.2017</td>
<td>31.12.2017</td>
<td>Air emissions have been reduced. Other works have been completed.</td>
</tr>
<tr>
<td>02/2011</td>
<td>Industry</td>
<td>Building of the biomass gasification plant in the industrial zone of Almada</td>
<td>Building of the biomass gasification plant in the industrial zone of Almada</td>
<td>Building of the biomass gasification plant in the industrial zone of Almada</td>
<td>01.03.2017</td>
<td>31.12.2017</td>
<td>The amount is 3,000,000, all works in the construction of the plant have been completed.</td>
</tr>
<tr>
<td>03/2011</td>
<td>Food security</td>
<td>Construction of a new production facility for organic vegetables in the province of Turin</td>
<td>Construction of a new production facility for organic vegetables in the province of Turin</td>
<td>Construction of a new production facility for organic vegetables in the province of Turin</td>
<td>01.03.2017</td>
<td>31.12.2017</td>
<td>The project has been completed and approved. The project has been completed.</td>
</tr>
</tbody>
</table>

*Note: The table continues with more entries.*
### 8.2 Financial performance of projects

<table>
<thead>
<tr>
<th>No.</th>
<th>No. of co-financing agreement</th>
<th>Beneficiary</th>
<th>Title of the project</th>
<th>Total cost (PLN)</th>
<th>Eligible expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>% of total cost</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MF/EFW/M/km (PLN)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ESF grant (PLN)</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Other (PLN)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2012 (PLN)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total (PLN)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>% of Proceeds</td>
</tr>
</tbody>
</table>

#### Thermal modernization

1. 199/2011: Medical University in Lublin
   - Thermal modernization of the Collegium Novum and Collegium Medii buildings of the Medical University in Lublin
   - Total cost: 10,259,310 PLN
   - % of total cost: 84%
   - MF/EFW/M/km: 0 PLN
   - ESF grant: 2,457,742 PLN
   - Other: 7,961,768 PLN
   - Total transferred: 2,194,242 PLN
   - % of Proceeds: 3.45%

2. 314/2011: Nicolaus Copernicus Voivodeship Hospital in Koszalin
   - Thermal modernization of the energy consumption in the buildings of the Nicolaus Copernicus Voivodeship Hospital in Koszalin
   - Total cost: 12,569,200 PLN
   - % of total cost: 96%
   - MF/EFW/M/km: 7,961,768 PLN
   - ESF grant: 4,037,840 PLN
   - Other: 1,422,000 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 0.00%

3. 309/2011: Urban area of Olsztyn
   - Thermal modernization of educational facilities within the territory of the Olsztyn-Gdańska
   - Total cost: 10,941,000 PLN
   - % of total cost: 54%
   - MF/EFW/M/km: 1,952,324 PLN
   - ESF grant: 8,968,767 PLN
   - Other: 1,952,324 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 0.00%

4. 304/2011: ProfESSPhnatny State Medical Hospital No. 1 of the Pomorski Medical University in Szczecin
   - Thermal modernization of hospital buildings of the independent public clinical hospital No. 1 of the Pomorski Medical University in Szczecin
   - Total cost: 13,765,960 PLN
   - % of total cost: 28%
   - MF/EFW/M/km: 13,479,830 PLN
   - ESF grant: 3,434,953 PLN
   - Other: 3,434,953 PLN
   - Total transferred: 3,434,953 PLN
   - % of Proceeds: 5.40%

5. 389/2011: Kraków University of Technology
   - Thermal modernization in the buildings of the Faculty of Mechanical Engineering at the Kraków University of Technology
   - Total cost: 12,450,584 PLN
   - % of total cost: 88%
   - MF/EFW/M/km: 7,984,039 PLN
   - ESF grant: 3,542,513 PLN
   - Other: 3,542,513 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 5.40%

6. 380/2011: Łódź University of Technology
   - Thermal modernization in the buildings of the Faculty of Environmental Engineering at the Kraków University of Technology
   - Total cost: 12,670,031 PLN
   - % of total cost: 89%
   - MF/EFW/M/km: 4,936,216 PLN
   - ESF grant: 2,452,387 PLN
   - Other: 2,452,387 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 3.86%

7. 54/2012: Bydgoszcz
   - Emergency management in public utility buildings in the municipality of Bydgoszcz
   - Total cost: 10,195,500 PLN
   - % of total cost: 93%
   - MF/EFW/M/km: 2,901,600 PLN
   - ESF grant: 2,849,000 PLN
   - Other: 1,083,545 PLN
   - Total transferred: 1,083,545 PLN
   - % of Proceeds: 1.70%

8. 666/2012: City of Krzeszow
   - Emergency management in public service buildings in Ksiezow
   - Total cost: 10,192,000 PLN
   - % of total cost: 94%
   - MF/EFW/M/km: 2,612,000 PLN
   - ESF grant: 4,244,000 PLN
   - Other: 0 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 0.00%

9. 602/2012: Maria Curie-Skłodowska University in Lublin
   - Thermal modernization of the building of the Maria Curie-Skłodowska University in Lublin
   - Total cost: 10,927,500 PLN
   - % of total cost: 76%
   - MF/EFW/M/km: 6,478,218 PLN
   - ESF grant: 3,175,218 PLN
   - Other: 24,413 PLN
   - Total transferred: 24,413 PLN
   - % of Proceeds: 0.00%

#### Biogas plants

1. 22/02/2012: Bio Allen Sp. z o.o.
   - Construction of a biogas plant for generating heat and electrical power of 1.56 MW from biogas in Szczecin
   - Total cost: 20,097,616 PLN
   - % of total cost: 91%
   - MF/EFW/M/km: 8,998,242 PLN
   - ESF grant: 5,446,352 PLN
   - Other: 5,633,973 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 0.00%

2. 28/02/2012: Powiśl Biogas Sp. z o.o.
   - Construction of a biogas plant for electrical power of 1.56 MW in Gdynia
   - Total cost: 18,615,000 PLN
   - % of total cost: 88%
   - MF/EFW/M/km: 4,929,000 PLN
   - ESF grant: 13,686,000 PLN
   - Other: 0 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 0.00%

3. 30/02/2012: Agnieszka Roman Sp. z o.o.
   - Construction of the Rzeszow biogas power plant
   - Total cost: 14,970,000 PLN
   - % of total cost: 100%
   - MF/EFW/M/km: 6,736,500 PLN
   - ESF grant: 4,961,000 PLN
   - Other: 3,742,500 PLN
   - Total transferred: 0 PLN
   - % of Proceeds: 0.00%

4. 401/2012: Biogas East Sp. z o.o.
   - Construction of an agricultural biogas plant in Grochow (Zaczek)
   - Total cost: 10,500,000 PLN
   - % of total cost: 100%
   - MF/EFW/M/km: 4,725,000 PLN
   - ESF grant: 3,150,000 PLN
   - Other: 2,876,478 PLN
   - Total transferred: 2,876,478 PLN
   - % of Proceeds: 4.53%

#### TOTAL biogas

- Total cost: 64,182,616 PLN
- % of total cost: 68%
- MF/EFW/M/km: 47,277,072 PLN
- ESF grant: 2,876,078 PLN
- Other: 2,876,478 PLN
- Total transferred: 2,876,478 PLN
- % of Proceeds: 4.53%

#### Biomass

1. 30/02/2012: EkoPowerPlant Sp. z o.o.
   - Construction of the biogas power plant in Chrzyniec
   - Total cost: 22,079,378 PLN
   - % of total cost: 71%
   - MF/EFW/M/km: 9,864,000 PLN
   - ESF grant: 4,728,000 PLN
   - Other: 7,478,000 PLN
   - Total transferred: 7,478,000 PLN
   - % of Proceeds: 3.44%

#### TOTAL biomass

- Total cost: 106,059,293 PLN
- % of total cost: 10%
- MF/EFW/M/km: 14,794,078 PLN
- ESF grant: 14,794,078 PLN
- Other: 2,876,478 PLN
- Total transferred: 2,876,478 PLN
- % of Proceeds: 10%

#### TOTAL expenditure in 2012

- Total: 22,279,273 PLN
<table>
<thead>
<tr>
<th>No.</th>
<th>No. of co-financing agreement</th>
<th>Beneficiary</th>
<th>Title of the project</th>
<th>Number of buildings covered by the project</th>
<th>Energy savings GJ/year</th>
<th>Avoided emissions of greenhouse gases Mg CO₂/year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>859/2011</td>
<td>Medical University in Lublin</td>
<td>Thermal modernisation of the Collegium Novum and Collegium Medicum buildings at the Medical University in Lublin</td>
<td>2</td>
<td>5,479,00</td>
<td>293,30</td>
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<tr>
<td>2</td>
<td>859/2010</td>
<td>Nicolaus Copernicus Voivodeship Hospital in Kozlalin</td>
<td>Reduction in the energy consumption in the buildings of the Kozlalin Hospital as a result of thermal modernisation and replacement of inefficient lighting with energy-efficient ones</td>
<td>12</td>
<td>12,311,90</td>
<td>993,00</td>
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<tr>
<td>3</td>
<td>824/2016</td>
<td>Urban gmina of Olszówka</td>
<td>Thermal modernisation of educational facilities within the territory of the Olszówka Gmina</td>
<td>10</td>
<td>8,090,00</td>
<td>836,00</td>
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<tr>
<td>4</td>
<td>810/2010</td>
<td>Professor Skotowski Independent Public Clinical Hospital No. 1 of the Pomeranian Medical University in Szczecin</td>
<td>Thermal modernisation of Hospital buildings at the Independent Public Clinical Hospital No. 1 of the Pomeranian Medical University in Szczecin</td>
<td>3</td>
<td>20,235,00</td>
<td>1,110,70</td>
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<tr>
<td>5</td>
<td>396/2010</td>
<td>Kraków University of Technology</td>
<td>Thermal modernisation in the buildings of the Faculty of Mechanical Engineering at the Kraków University of Technology</td>
<td>1</td>
<td>8,719,00</td>
<td>911,00</td>
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<tr>
<td>6</td>
<td>390/2010</td>
<td>Kraków University of Technology</td>
<td>Thermal modernisation in the buildings of the Faculty of Environmental Engineering at the Kraków University of Technology</td>
<td>1</td>
<td>5,048,00</td>
<td>763,00</td>
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<tr>
<td>7</td>
<td>541/2012</td>
<td>Hybhra Gmina</td>
<td>Energy management in public utility buildings in the gminas of Sucha Beskid, Piotravi</td>
<td>22</td>
<td>45,190,00</td>
<td>2,243,00</td>
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<td>8</td>
<td>560/2012</td>
<td>City of Konin</td>
<td>Energy management in public utility buildings in Konin</td>
<td>18</td>
<td>22,849,00</td>
<td>2,301,00</td>
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<td>9</td>
<td>602/2012</td>
<td>Maria Curie-Skłodowska University in Lublin</td>
<td>Thermal modernisation of the building of the Maria Curie-Skłodowska University in Lublin</td>
<td>5</td>
<td>10,493,20</td>
<td>538,00</td>
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<tr>
<td></td>
<td>TOTAL THERMAL MODERNISATION</td>
<td></td>
<td></td>
<td>74</td>
<td>138,415,10</td>
<td>9,988,50</td>
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</table>
**8.3 Table of environmental effects (2 of 2)**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1514/2010</td>
<td>Bio Allans Skaryn Sp. z o.o.</td>
<td>Construction of installation for generating electricity and thermal power of 1.56 MW from biogas in Skaryn</td>
<td>1.6</td>
<td>1.56</td>
<td>1.6</td>
<td>11 572</td>
<td>13 462</td>
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<td>2</td>
<td>1443/2010</td>
<td>Polski Ingeni S. z o.o.</td>
<td>Construction of a biomass-fired power plant with power of 1.5 MW in Karwia</td>
<td>1.55</td>
<td>1.55</td>
<td>0</td>
<td>11 491</td>
<td>10 191</td>
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<tr>
<td>3</td>
<td>81/2012</td>
<td>Rólne Washington Terpumpa 1 o.o.</td>
<td>Construction of the Rówia biogas power plant</td>
<td>0.99</td>
<td>0.99</td>
<td>22 342</td>
<td>8 238</td>
<td>7 796</td>
</tr>
<tr>
<td>4</td>
<td>101/2012</td>
<td>Rogas East S. z o.o.</td>
<td>Construction of an agricultural biogas plant in Górczów Słaski</td>
<td>0.7</td>
<td>0.7</td>
<td>0</td>
<td>5 586</td>
<td>4 615</td>
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<tr>
<td>5</td>
<td>90/2012</td>
<td>Enerpower Plant S. z o.o.</td>
<td>Extension of the combined heat and power plant by adding a thermal oil inlet with an HCR unit</td>
<td>5.79</td>
<td>1.86</td>
<td>225 542</td>
<td>14 888</td>
<td>16 683.20</td>
</tr>
</tbody>
</table>

**Total biomass**

| Total biomass | 9.72 | 1.86 | 225 542 | 14 888 | 16 683.20 |

**TOTAL BIOMASS AND BIOMASS**

| 16.65 | 8.68 | 247 556 | 57.77 | 62.687 |

*Notes: Conversion per Table placed in p. 1 of Environmental effects: 1 MWh of heat = 3.6 GJ.*