



**ENERGY EFFICIENCY AND
RENEWABLE SOURCES FUND**

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Debtor „Water supply and sewerage “ Ltd., the town
of Blagoevgrad

Beneficiary „Water supply and sewerage “ Ltd., the town
of Blagoevgrad

Total Project Cost **1 019 911.44 BGN**

Project Credit **917 920.30 BGN**

Project Lifetime **20 years**

Project Payback **6,3 years**

Energy Saving Measures

1. Thermal insulation of external walls;
2. Thermal insulation of roofs
3. Implementation of 2 pipe air conditioning systems;
4. Air-to-water heat pump units for DHW;
5. Delivery and installation of heat pump boilers;
6. Replacement of doors with new PVC ones;
7. Installation of Multisplit air-to-air heat pump systems;
8. Replacement of rolling shutters with industrial ones;
9. Photovoltaic installation.

**Project Results:
Expected Savings**

| Electricity (kWh/year) | Naphtha/ Diesel (kWh/year) | GHG Emissions (t CO2equiv./year) |
|-----------------------------------|---|---|
| 292 763 | 695 787 | 453 |

„Water supply and sewerage “ Ltd. - Blagoevgrad: Administrative building /Headquarter/ - Blagoevgrad, Building opposite Headquarter – Blagoevgrad and Administrative building - Hadzhidimovo .

Energy Saving Measures:

- 1. Thermal insulation of external walls;**
- 2. Thermal insulation of roofs**
- 3. Implementation of 2 pipe air conditioning systems;**
- 4. Air-to-water heat pump units for DHW;**
- 5. Replacement of doors with new PVC ones;**
- 6. Installation of Multisplit air-to-air heat pump systems.**



**„Water supply and sewerage “ Ltd. - Blagoevgrad: Administrative building
WWTP – Blagoevgrad, Repair shop WWTP – Blagoevgrad and
Photovoltaic installation - Blagoevgrad.**

**Energy Saving
Measures:**

- 1. Thermal insulation of external walls;**
- 2. Thermal insulation of roofs**
- 3. Implementation of 2 pipe air conditioning systems;**
- 4. Air-to-water heat pump unit for DHW;**
- 5. Replacement of rolling shutters with industrial ones;**
- 6. Photovoltaic installation;**
- 7. Installation of Multisplit air-to-air heat pump systems.**



„Water supply and sewerage “ Ltd: Administrative building WWTP – Razlog, Administrative building WWTP – Gotse Delchev and Chlorine building WWTP - Gotse Delchev.

Energy Saving Measures:

- 1. Thermal insulation of external walls;**
- 2. Thermal insulation of roofs;**
- 3. Implementation of 2 pipe air conditioning systems;**
- 4. Replacement of doors with new PVC ones;**
- 5. Air-to-water heat pump unit for DHW;**
- 6. Installation of Multisplit air-to-air heat pump system.**

