

# Status of works on key investment projects

|                                 | Investment  | Project status   | CAPEX 2 017 [mPLN] | Total CAPEX [mPLN] | Work progress [%] | Anticipated date of completion |
|---------------------------------|---|--|--------------------|--------------------|-------------------|--------------------------------|
| Enea<br>Wytwarzanie             | Construction of a 1.075 MW power unit No. 11  | On 19 December 2 017, the power unit with supercritical parameters fuelled with hard coal with the capacity of 1.075 MW was put into operation.  | 627.4              | 5 744.60           | 100%              | 2 017                          |
|                                 | FGD IV installation   | The following installations were commissioned: main unit of FGD IV, flue gas channels, auxiliary ventilators, chimney No.3, FGD IV power supply. All the devices and installations operate according to the technical parameters included in the agreements. What is still to be executed is the scope relating to the COD "chemical oxygen demand" in treated waste-water from FGD IV installation.   | 0                  | 288.3              | 99%               | 2 017                          |
|                                 | Upgrade of unit No. 3   | On 28 March 2 017, unit No.3 was commissioned.   | 10.6               | 10.6               | 100%              | 2 017                          |
|                                 | Upgrade of unit No. 8   | On 6 March 2 017, unit No.8 was handed over for upgrade. Unit outage ended on 21 July 2 017.   | 14.1               | 14.1               | 100%              | 2 017                          |
|                                 | Upgrade of unit No. 9 as a part of 2 x 500 MW units upgrade programme   | In 2 018, the upgrade of unit No.9 is planned. Agreement for the turbine and boiler parts was concluded.   | 2.5                | 85.1               | 3%                | 2 018                          |
|                                 | Upgrade of cooling water intake -stabilising check dam on the Vistula River   | The project is at the stage of preparation for realisation. The environmental decision is pending.   | 0.5                | 33                 | 2%                | 2 017                          |
|                                 | Construction of the SCR installation and upgrade of electrostatic precipitators for AP -1 650 boilers of units No. 9 and 10 as a part of the 2 x 500 MW units upgrade programme | On 30 September 2 016, an agreement was signed with Rafako for the performance of the SCR installation with upgrade of electrostatic precipitators for AP - 1 650 of units No. 9 and 10. An agreement was concluded for the Contract Engineer services. The installation of unit No. 10 is in progress.  | 95                 | 314.2              | 20%               | 2 019                          |
|                                 | Construction of the SCR installation for units No. 4-8  | The construction of the SCR installation on units No. 4, 5, 6 and 7 as well as the common part for the SCR installation for units No. 4-8 was completed. On 15 September 2 017, the SCR for unit No. 8 was put into operation. On 20 December 2 017 the final commissioning of unit no. 8 took place.  | 35.2               | 203.7              | 100%              | 2 017                          |
|                                 | Construction of the FGD installation on K7 and K8 boilers   | An agreement was concluded with the NFOŚiGW for the co-financing of the investment as a loan. On 2 February 2 016, the Contract Engineer was appointed. On 28 April 2 016, the building permit for the FDG K7 and K8 became final and binding. On 29 September 2 017, the installation was put into operation. After modifications and optimisation, repeated guarantee measurements were carried out, which confirmed that the installation fulfils its function and achieves the assumed technical and environmental parameters. On 15 March 2 018, the Contractor reported the completion of the Agreement with a further extension of work on optimisation of the remaining guaranteed parameters by 30 September 2 018. | 44.9               | 105.5              | 99%               | 2 018                          |
|                                 | Upgrade of unit No. 10 as a part of 2 x 500 MW units upgrade programme  | On 21 July 2 017, the unit was handed over for upgrade. The upgrade is scheduled to be completed on 4 April 2 018  | 85.6               | 93.8               | 91%               | 2 018                          |
| Enea<br>Elektrownia<br>Połaniec | CRS installation - units No. 2, 3 and 7   | Completion of connecting the external part on units No.2, 3 and 7. System regulation on units No. 2 and 3  | 14.50              | 15 750             | 96%               | 2 018                          |
|                                 | Non-financial statement installations - unit No. 4  | Execution works are in progress of the external part of the SCR installation on unit No. 4   | 9.2                | 34.4               | 70%               | 2 018                          |
|                                 | Phoenix project in unit No. 5   | Obtained approval of the Management Board of ENEA S. A. for execution of the investment project  | 0                  | 12 740             | 1%                | 2 020                          |