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LOAN NUMBER 8070-PL

# Loan Agreement

(Energy Efficiency and Renewable Energy Development Policy Loan)

between

REPUBLIC OF POLAND

and

INTERNATIONAL BANK FOR RECONSTRUCTION  
AND DEVELOPMENT

Dated June 16, 2011

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**LOAN AGREEMENT**

Agreement dated June 16, 2011, entered into between REPUBLIC OF POLAND (“Borrower”) and INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT (“Bank”) for the purpose of providing financing in support of the Program (as defined in the Appendix to this Agreement). The Bank has decided to provide this financing on the basis, *inter alia*, of (a) the actions which the Borrower has already taken under the Program and which are described in Section I of Schedule 1 to this Agreement, and (b) the Borrower’s maintenance of an appropriate macroeconomic policy framework. The Borrower and the Bank therefore hereby agree as follows:

**ARTICLE I — GENERAL CONDITIONS; DEFINITIONS**

- 1.01. The General Conditions (as defined in the Appendix to this Agreement) constitute an integral part of this Agreement.
- 1.02. Unless the context requires otherwise, the capitalized terms used in this Agreement have the meanings ascribed to them in the General Conditions or in the Appendix to this Agreement.

**ARTICLE II — LOAN**

- 2.01. The Bank agrees to lend to the Borrower, on the terms and conditions set forth or referred to in this Agreement, the amount of seven hundred and fifty million Euro (EUR 750,000,000), as such amount may be converted from time to time through a Currency Conversion in accordance with the provisions of Section 2.07 of this Agreement (“Loan”).
- 2.02. The Borrower may withdraw the proceeds of the Loan in support of the Program in accordance with Section II of Schedule 1 to this Agreement.
- 2.03. The Front-end Fee payable by the Borrower shall be equal to one quarter of one percent (0.25%). The Borrower shall pay the Front-end Fee not later than sixty days after the Effective Date.
- 2.04. The interest payable by the Borrower for each Interest Period shall be at a rate equal to the Reference Rate for the Loan Currency plus the Variable Spread; provided, that upon a Conversion of all or any portion of the principal amount of the Loan, the interest payable by the Borrower during the Conversion Period on such amount shall be determined in accordance with the relevant provisions of Article IV of the General Conditions. Notwithstanding the foregoing, if any

amount of the Withdrawn Loan Balance remains unpaid when due and such non-payment continues for a period of thirty days, then the interest payable by the Borrower shall instead be calculated as provided in Section 3.02 (e) of the General Conditions.

- 2.05. The Payment Dates are June 1<sup>st</sup> and December 1<sup>st</sup> in each year.
- 2.06. The principal amount of the Loan shall be repaid in accordance with the amortization schedule set forth in Schedule 2 to this Agreement.
- 2.07. (a) The Borrower may at any time request any of the following Conversions of the terms of the Loan in order to facilitate prudent debt management: (i) a change of the Loan Currency of all or any portion of the principal amount of the Loan, withdrawn or unwithdrawn, to an Approved Currency; (ii) a change of the interest rate basis applicable to all or any portion of the principal amount of the Loan withdrawn and outstanding from a Variable Rate to a Fixed Rate, or vice versa, or from a Variable Rate based on a Variable Spread to a Variable Rate based on a Fixed Spread; and (iii) the setting of limits on the Variable Rate applicable to all or any portion of the principal amount of the Loan withdrawn and outstanding by the establishment of an Interest Rate Cap or Interest Rate Collar on the Variable Rate.
- (b) Any conversion requested pursuant to paragraph (a) of this Section that is accepted by the Bank shall be considered a “Conversion”, as defined in the General Conditions, and shall be effected in accordance with the provisions of Article IV of the General Conditions and of the Conversion Guidelines.

### **ARTICLE III — PROGRAM**

- 3.01. The Borrower declares its commitment to the Program and its implementation. To this end, and further to Section 5.10 of the General Conditions:
- (a) the Borrower and the Bank shall from time to time, at the request of either party, exchange views on the Borrower’s macroeconomic policy framework and the progress achieved in carrying out the Program;
- (b) prior to each such exchange of views, the Borrower shall furnish to the Bank for its review and comment a report on the progress achieved in carrying out the Program, in such detail as the Bank shall reasonably request; and
- (c) without limitation upon the provisions of paragraphs (a) and (b) of this Section, the Borrower shall promptly inform the Bank of any situation

that would have the effect of materially reversing the objectives of the Program or any action taken under the Program.

**ARTICLE IV — REMEDIES OF THE BANK**

4.01. The Additional Event of Suspension consists of the following, namely that a situation has arisen which shall make it improbable that the Program, or a significant part of it, will be carried out.

**ARTICLE V — EFFECTIVENESS**

5.01. The Effectiveness Deadline is the date ninety (90) days after the date of this Agreement.

**ARTICLE VI — REPRESENTATIVE; ADDRESSES**

6.01. The Borrower's Representative is the Minister of Finance.

6.02. The Borrower's Address is:

Ministry of Finance  
ul. Swietokrzyska 12  
00-916 Warszawa  
Republic of Poland

Cable:

MINF  
Poland

Facsimile:

(48) 22 6943070

6.03. The Bank's Address is:

International Bank for Reconstruction and Development  
1818 H Street, N.W.  
Washington, D.C. 20433  
United States of America

Cable address:

INTBAFRAD  
Washington, D.C.

Telex:

248423(MCI) or  
64145(MCI)

Facsimile:

1-202-477-6391

6.04. This Agreement shall be issued in two (2) signed originals in English.



AGREED at Warsaw, Republic of Poland, as of the day and year first above written.

REPUBLIC OF POLAND

By /s/ Jacek Dominik

Authorized Representative

INTERNATIONAL BANK FOR  
RECONSTRUCTION AND DEVELOPMENT

By /s/ Thomas Laursen

Authorized Representative

**SCHEDULE 1****Program Actions; Availability of Loan Proceeds****Section I. Actions Taken Under the Program**

The actions taken by the Borrower under the Program include the following:

1. The *Act on Energy Efficiency* was approved by the Parliament on April 15, 2011, and promulgated by the President on April 29, 2011, thereby establishing the Borrower's White Certificates Program as a mechanism to meet its energy efficiency targets.
2. The Borrower has provided incentives to increase the share of cogeneration by allowing cogenerators to price their bulk heat up to the average price of heat produced by heat-only boilers, through the issuance of the *Ordinance on Heat Tariffs* of September 17, 2010 (Journal of Laws of the Republic of Poland No. 194/2010, item 1291).
3. The Borrower, through its Energy Regulatory Office, has issued a draft Regulatory Statement which covers all the key areas of implementation of Smart Meters, and, through the State-owned enterprise Energa, has initiated said implementation.
4. The Borrower has allocated PLN 200 million for financing the Thermo-modernization and Renovation Fund in fiscal year 2011, through the enactment of the *Budget Law for 2011* of February 19, 2011 (Journal of Laws of the Republic of Poland No. 29/2011, item 150).
5. The Borrower has implemented electronic tolling system charges for heavy vehicles on major national roads sections, through the issuance of the *Ordinance on National Roads or Sections on Which the Fee will be Collected Electronically and the Rates of the Electronic Toll* of March 22, 2011 (Journal of Laws of the Republic of Poland No. 80/2011, item 433) and the *Ordinance on the Calculation of the Maximum Rate of Electronic Toll* of March 22, 2011 (Journal of Laws of the Republic of Poland No. 77/2011, item 417).
6. The Borrower has submitted its National Renewable Energy Action Plan to the European Commission through Decision by its Council of Ministers of December 7, 2010, thereby detailing its commitment of at least 15.5% of renewable energy use by 2020.

**Section II. Availability of Loan Proceeds**

**A. General.** The Borrower may withdraw the proceeds of the Loan in accordance with the provisions of this Section and such additional instructions as the Bank may specify by notice to the Borrower.

**B. Allocation of Loan Amounts.** The Loan is allocated in a single withdrawal tranche, from which the Borrower may make withdrawals of the Loan proceeds. The allocation of the amount of the Loan to this end is set out in the table below:

<b>Allocations</b>	<b>Amount of the Loan Allocated (expressed in EURO)</b>
(1) Single Withdrawal Tranche	750,000,000
<b>TOTAL AMOUNT</b>	<b>750,000,000</b>

**C. Payment of Front-end Fee.** No withdrawal shall be made from the Loan Account until the Bank has received payment in full of the Front-end Fee.

**D. Withdrawal Tranche Release Conditions.** No withdrawal shall be made of the Single Withdrawal Tranche unless the Bank is satisfied (a) with the Program being carried out by the Borrower, and (b) with the appropriateness of the Borrower's macroeconomic policy framework.

**E. Deposits of Loan Amounts.** Except as the Bank may otherwise agree:

1. all withdrawals from the Loan Account shall be deposited by the Bank into an account designated by the Borrower and acceptable to the Bank; and
2. the Borrower shall ensure that upon each deposit of an amount of the Loan into this account, an equivalent amount is accounted for in the Borrower's budget management system, in a manner acceptable to the Bank.

**F. Excluded Expenditures.** The Borrower undertakes that the proceeds of the Loan shall not be used to finance Excluded Expenditures. If the Bank determines at any time that an amount of the Loan was used to make a payment for an Excluded Expenditure, the Borrower shall, promptly upon notice from the Bank, refund an amount equal to the amount of such payment to the Bank. Amounts refunded to the Bank upon such request shall be cancelled.

**G. Closing Date.** The Closing Date is March 31, 2012.



## SCHEDULE 2

### Amortization Schedule

1. The following table sets forth the Principal Payment Dates of the Loan and the percentage of the total principal amount of the Loan payable on each Principal Payment Date (“Installment Share”). If the proceeds of the Loan have been fully withdrawn as of the first Principal Payment Date, the principal amount of the Loan repayable by the Borrower on each Principal Payment Date shall be determined by the Bank by multiplying: (a) Withdrawn Loan Balance as of the first Principal Payment Date; by (b) the Installment Share for each Principal Payment Date, such repayable amount to be adjusted, as necessary, to deduct any amounts referred to in paragraph 4 of this Schedule, to which a Currency Conversion applies.

<b>Principal Payment Date</b>	<b>Installment Share (Expressed as a Percentage)</b>
On each June 1 and December 1 Beginning December 1, 2020 through December 1, 2030	4.55%
On June 1, 2031	4.45%

2. If the proceeds of the Loan have not been fully withdrawn as of the first Principal Payment Date, the principal amount of the Loan repayable by the Borrower on each Principal Payment Date shall be determined as follows:

(a) To the extent that any proceeds of the Loan have been withdrawn as of the first Principal Payment Date, the Borrower shall repay the Withdrawn Loan Balance as of such date in accordance with paragraph 1 of this Schedule.

(b) Any amount withdrawn after the first Principal Payment Date shall be repaid on each Principal Payment Date falling after the date of such withdrawal in amounts determined by the Bank by multiplying the amount of each such withdrawal by a fraction, the numerator of which is the original Installment Share specified in the table in paragraph 1 of this Schedule for said Principal Payment Date (“Original Installment Share”) and the denominator of which is the sum of all remaining Original Installment Shares for Principal Payment Dates falling on or after such date, such amounts repayable to be adjusted, as necessary, to deduct any amounts referred to in paragraph 4 of this Schedule, to which a Currency Conversion applies.

3. (a) Amounts of the Loan withdrawn within two calendar months prior to any Principal Payment Date shall, for the purposes solely of calculating the principal amounts

payable on any Principal Payment Date, be treated as withdrawn and outstanding on the second Principal Payment Date following the date of withdrawal and shall be repayable on each Principal Payment Date commencing with the second Principal Payment Date following the date of withdrawal.

(b) Notwithstanding the provisions of sub-paragraph (a) of this paragraph, if at any time the Bank adopts a due date billing system under which invoices are issued on or after the respective Principal Payment Date, the provisions of such sub-paragraph shall no longer apply to any withdrawals made after the adoption of such billing system.

4. Notwithstanding the provisions of paragraphs 1 and 2 of this Schedule, upon a Currency Conversion of all or any portion of the Withdrawn Loan Balance to an Approved Currency, the amount so converted in the Approved Currency that is repayable on any Principal Payment Date occurring during the Conversion Period, shall be determined by the Bank by multiplying such amount in its currency of denomination immediately prior to the Conversion by either: (i) the exchange rate that reflects the amounts of principal in the Approved Currency payable by the Bank under the Currency Hedge Transaction relating to the Conversion; or (ii) if the Bank so determines in accordance with the Conversion Guidelines, the exchange rate component of the Screen Rate.

## APPENDIX

### Section I. Definitions

1. “Excluded Expenditure” means any expenditure:
- (a) for goods or services supplied under a contract which any national or international financing institution or agency other than the Bank or the Association has financed or agreed to finance, or which the Bank or the Association has financed or agreed to finance under another loan, credit, or grant;
  - (b) for goods included in the following groups or sub-groups of the Standard International Trade Classification, Revision 3 (SITC, Rev.3), published by the United Nations in Statistical Papers, Series M, No. 34/Rev.3 (1986) (the SITC), or any successor groups or subgroups under future revisions to the SITC, as designated by the Bank by notice to the Borrower:

Group	Sub-group	Description of Item
112		Alcoholic beverages
121		Tobacco, un-manufactured, tobacco refuse
122		Tobacco, manufactured (whether or not containing tobacco substitutes)
525		Radioactive and associated materials
667		Pearls, precious and semiprecious stones, unworked or worked
718	718.7	Nuclear reactors, and parts thereof; fuel elements (cartridges), non-irradiated, for nuclear reactors
728	728.43	Tobacco processing machinery
897	897.3	Jewelry of gold, silver or platinum group metals (except watches and watch cases) and goldsmiths’ or silversmiths’

Group	Sub-group	Description of Item
		wares (including set gems)
971		Gold, non-monetary (excluding gold ores and concentrates)

- (c) for goods intended for a military or paramilitary purpose or for luxury consumption;
  - (d) for environmentally hazardous goods, the manufacture, use or import of which is prohibited under the laws of the Borrower or international agreements to which the Borrower is a party;
  - (e) on account of any payment prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations; and
  - (f) with respect to which the Bank determines that corrupt, fraudulent, collusive or coercive practices were engaged in by representatives of the Borrower or other recipient of the Loan proceeds, without the Borrower (or other such recipient) having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur.
2. “General Conditions” means the “International Bank for Reconstruction and Development General Conditions for Loans”, dated July 31, 2010 with the modifications set forth in Section II of this Appendix.
  3. “PLN” means Polish Zloty, the lawful currency of the Borrower.
  4. “Program” means the program of actions, objectives and policies designed to promote growth and achieve sustainable energy efficiency and use of renewable energy, and set forth or referred to in the letter dated April 29, 2011 from the Borrower to the Bank declaring the Borrower’s commitment to the execution of the Program, and requesting assistance from the Bank in support of the Program during its execution.
  5. “Single Withdrawal Tranche” means the amount of the Loan allocated to the category entitled “Single Withdrawal Tranche” in the table set forth in Part B of Section II of Schedule 1 to this Agreement.
  6. “Smart Meters” means a electrical meters that record consumption of electric energy in intervals of an hour or less and communicate that information to the utility for monitoring and billing purposes, and enable two-way communication between the customer and their appliances and the supplier.

7. “Thermo-modernization and Renovation Fund” means the Borrower’s fund established through the Act of November 21, 2008 on Support for Thermo-Refurbishment and Renovation, as amended (Journal of Laws of 2008, Number 223, item 1459; of 2009, Number 157, item 1241; and of 2010, Nr. 76, item 493).

**Section II. Modifications to the General Conditions**

The modifications to the General Conditions are as follows:

1. The last sentence of paragraph (a) of Section 2.03 (relating to Applications for Withdrawal) is not applicable to this Agreement.
2. Sections 2.02 (Special Commitment by the Bank), 2.04 (Designated Accounts), 2.05, (Eligible Expenditures), 2.06 (Financing of Taxes) and 2.07 (Refinancing Project Preparation Advance; Capitalizing Front-end Fee and Interest) and 2.08 (Reallocation) are not applicable to this Agreement.
3. Sections 5.01 (Project Execution Generally), 5.02 (Performance under the Loan Agreement and Project Agreement), 5.03 (Provision of Funds and other Resources), 5.04 (Insurance), 5.05 (Land Acquisition), 5.06 (Use of Goods, Works and Services; Maintenance of Facilities), 5.07 (Plans; Documents; Records), 5.09 (Financial Management; Financial Statements; Audits) and Paragraph (b) of Section 5.11 (Visits) are not applicable to this Agreement.
4. Paragraph (b) of Section 5.08 is not applicable to this Agreement, and Paragraph (c) of Section 5.08 is modified to read as follows:

*“Section 5.08 Program Monitoring and Evaluation*

(c) The Borrower shall prepare, or cause to be prepared, and furnish to the Bank not later than six months after the Closing Date, a report of such scope and in such detail as the Bank shall reasonably request, on the execution of the Program, the performance by the Loan Parties and the Bank of their respective obligations under the Legal Agreements and the accomplishment of the purposes of the Loan.”

5. The following terms and definitions set forth in the Appendix are modified or deleted as follows, and the following new terms and definitions are added in alphabetical order to the Appendix as follows, with the terms being renumbered accordingly:
  - (a) The definition of the term “Eligible Expenditure” is modified to read as follows:

“‘Eligible Expenditure’ means any use to which the Loan is put in support of the Program, other than to finance expenditures excluded pursuant to the Loan Agreement.”

- (b) The term “Financial Statements” and its definition as set forth in the Appendix are deleted in their entirety.
- (c) The term “Project” is modified to read “Program” and its definition is modified to read as follows (and all references to “Project” throughout these General Conditions are deemed to be references to “Program”):

“‘Program’ means the program referred to in the Loan Agreement in support of which the Loan is made.”