# PROTOCOL ON COOPERATION IN ENERGY EFFICIENCY AND RENEWABLE ENERGY BETWEEN THE UNITED STATES DEPARTMENT OF ENERGY AND THE RUSSIAN FEDERATION MINISTRY OF ENERGY UNDER THE RUSSIAN-AMERICAN ENERGY WORKING GROUP (EWG)

The United States Department of Energy (DOE) and the Russian Federation Ministry of Energy (MINERGO) (hereinafter referred to as "the Parties");

Recognizing the revitalization of energy cooperation through the establishment of the Russian-American Energy Working Group (EWG) in November 2001 by the Secretary of Energy the United States of America and the Minister of Energy of the Russian Federation, and further recognizing that the EWG was then adopted by Presidents Putin and Bush in St. Petersburg, Russia during the Summit of May 2002, and set forth in a joint statement (here-in-after referred to as the Joint Statement); and

Recognizing that this revitalized cooperation builds upon previous cooperation including: an Agreement on Scientific and Technical Cooperation in the Field of Fuels and Energy that the Government of the United States of America and the Government of the Russian Federation signed on June 17, 1992; and a Memorandum of Cooperation signed by the United States Secretary of Energy and the Minister of Fuels and Energy of the Russian Federation on October 1993;

Noting that the Parties wish to support cooperation pursuant to the Joint Statement in the areas of energy conservation, end-use energy efficiency, renewable energy, the environment; and the harmonization of the technological basis for standards; and

Noting that the Joint Statement and the Protocols of EWG Meetings recognize the importance of further improving the energy efficiency of both economies and application and utilization of conventional and renewable energy resources on a highly efficient and environmentally sound basis; and also

Noting that effective cooperation in energy efficient and renewable energy technologies involves research, development, regulatory and implementation activities and coordination among those responsible for such activities in the government, academic and industry sectors, and further

Noting the important role each party has in coordinating energy savings policy,

Have acknowledged the following intent for cooperation:

## PURPOSE

The purpose of this Protocol is to facilitate and establish cooperative activities, which will be undertaken through the auspices of the EWG in the area of energy efficiency and renewable energy technologies to advance the common interests of the Parties and their industries in the efficient, environmentally acceptable use of conventional and renewable energy resources and technologies, and in the area of harmonization of the technological basis for performance standards for energy efficient and renewable energy technologies.

Facilitating such cooperation will entail coordination with government, academic, industry and technical organizations, and regional and city governments responsible for the successful conduct of the various phases of energy efficiency, renewable energy, and environmental activities.

## AREAS OF COOPERATION

The areas of cooperation under this Protocol may include the following:

(1) Information exchange;

(2) Technology and resource assessments;

(3) Scientific and technical research and development, such as research to support harmonization of standards;

(4) Energy planning and training of personnel;

(5) Energy conversion, commercialization, demonstration, and joint ventures;

(6) End-use efficiency and renewable sources of energy;

(7) Technical support for the development of a legal and economic infrastructure to implement Russia's Energy Efficiency Policy; and,

(8) Such other areas of cooperation that are beneficial and mutually agreed upon by the parties.

## FORMS OF COOPERATION

The forms of cooperation under this Protocol may include the following:

(1) Establishment of working groups for planning and implementation of joint studies, and addressing concrete tasks;

(2) Conduct of joint theoretical, experimental, developmental, demonstration, and design work by technical personnel in appropriate research centers of the two countries;

(3) Convening of workshops and seminars;

(4) Exchanges of appropriate instrumentation, equipment, and materials for projects jointly approved by the Parties;

(5) Exchanges of technical specialists;

(6) Exchanges of appropriate technical information, documentation, and results of research;

(7) Other forms of cooperation as mutually agreed by the Parties.

IMPLEMENTING ARRANGEMENTS

When it is the mutual intent of the Parties to undertake any additional forms of cooperation, the Parties may conclude separate Implementing Arrangements (Documents) as an Annex to this Protocol. The Implementing Arrangements ( Documents) determine rules and conditions, such as work plans, cost estimates, potential funding sources, and other intended obligations or conditions not already included in this Protocol, to implement specific activities.

JOINT COORDINATION COMMITTEE (JCC)

The Joint Coordinating Committee is established on the basis of the Energy Efficiency Technologies and Ecology Subgroup under the U.S. – Russia Energy Working Group, to implement this Protocol

Joint Coordinating Committee:

(1) Established by the Parties which designate representatives to the JCC to supervise the implementation of this Protocol. JCC works under the EWG and reports to it at least annually to review progress of cooperative projects;

(2) Coordinate and review all aspects of this Protocol and takes necessary measures for its successful implementation; including close coordination with the government, industry and academic organizations responsible for critical aspects of Protocol projects; and, in doing so,

(3) In accordance with the Parties' national legislation and rules can assist in establishing relations and developing cooperation in the framework on this Protocol with Parties' organizations which did not sign this Protocol;

(4) Oversee the development of applicable Implementing arrangements (documents) on projects which belong to this Protocol in the framework of joint cooperative activities;

(5) May develop, establish, review, and revise operational procedures related to the organization and operation of the JCC and its activities consistent with the terms of this Protocol;

(6) May organize, establish, and convene expert working groups to study particular areas of research and development as referred to in the paragraph on "Areas of Cooperation" and review and comment on the reports issued by such working groups and panels;

(7) Determine its meeting schedule. Generally, it will meet at least once a year, alternating in the United States and the Russian Federation, unless otherwise agreed;

COSTS

Unless otherwise agreed in writing, all costs resulting from cooperation pursuant to this Protocol and any related Addendums shall be the responsibility of the Party incurring the costs, and are subject to the availability of funds.

Acknowledged, in duplicate, at Washington, D.C., on April 8, 2003 in the English and Russian languages, both text being equally authentic.

FOR THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF AMERICA

FOR THE MINISTRY OF
ENERGY OF THE RUSSIAN
FEDERATION