

MEMORANDUM OF UNDERSTANDING
BETWEEN
THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF AMERICA
AND
THE MINISTRY OF ENERGY
OF THE RUSSIAN FEDERATION
ON COOPERATION ON ENERGY

The Department of Energy (DOE) of the United States of America and the Ministry of Energy (ME) of the Russian Federation, hereinafter referred to as the "Participants;"

WISHING to invigorate the bilateral cooperation between the United States and the Russian Federation in the energy sphere;

ACKNOWLEDGING the strategic importance of promoting energy security through improving energy efficiency, experience with competitive markets, diverse energy sources and types, clean energy economic growth, and reduced global greenhouse gas emissions;

TAKING INTO ACCOUNT the creation of the U.S.-Russia Bilateral Presidential Commission;

REAFFIRMING the desire to work collaboratively to ensure that the global energy economy operates on terms that are commercially driven and transparent;

REAFFIRMING the commitment to the Global Energy Security Principles, adopted at the G-8 summit in St. Petersburg in 2006;

ACKNOWLEDGING the common goals and responsibilities set forth in the United Nations Framework Convention on Climate Change of June 12, 1992; and

DECLARING that bilateral activities will reinforce and complement joint participation in multilateral partnerships to achieve shared energy and climate change goals;

HAVE REACHED THE FOLLOWING UNDERSTANDING:

SECTION 1

OBJECTIVE

The purpose of this Memorandum of Understanding (Memorandum) is to establish a framework for mutually beneficial energy cooperation and develop various forms of collaboration in the areas listed in Section 2.

SECTION 2

AREAS OF COOPERATION

1. Priority areas of cooperation are the following:
 - a. Energy Security;
 - b. Energy Efficiency;
 - c. Renewable Energy Sources;
 - d. Clean Energy Technology Innovation;
 - e. Power Sector Infrastructure and Smart-Grid Technology;
 - f. Carbon Capture and Storage and other Clean Coal Technologies;
 - g. Biofuels and Other Alternatives to Fossil Fuels; and
 - h. Influence of the Fuel and Energy Complex on Climate Change and the Environment.
2. The list of areas of cooperation may be expanded by the consent of both Participants.
3. Participants intend to develop a work plan to define activities to implement the areas of cooperation listed above.

SECTION 3

FORMS OF COOPERATION

The forms of cooperation in the framework of this Memorandum may include:

1. Exchanges of scientific and technical information as well as information on energy policy;

2. Organization of seminars, workshops, and other events on agreed topics;
3. Exchanges of experts, engineers, scientists, and other specialists as jointly determined, including those from industry and other non-government sectors;
4. Visits by a Participant's specialist teams or experts to the facilities of the other Participant, including field visits to research labs and industrial sites, for the exchange of technical information and experience;
5. Identification of areas and projects suitable for the possible future conduct of joint research and development and realization of pilot-scale and demonstration projects; and
6. Other forms of cooperation as determined by Participants at a later time.

SECTION 4

COORDINATION

1. *Principals.* Activities within the framework of this Memorandum are to be led by the U.S. Secretary of Energy and the Russian Federation Minister of Energy in their capacity as co-chairs of the U.S.-Russia Bilateral Presidential Commission's working group.
2. *Coordinators.* Principals are to designate coordinators to coordinate activities to implement cooperative activities within this Memorandum.
3. *Interaction.* The Principals and/or Coordinators may interact directly and/or through subsidiary bodies, such as expert groups created as appropriate, to advise and consult on priority areas for cooperation under this Memorandum.
4. *Work Plan.* Implementation of this Memorandum is based on a work plan which the Coordinators are to present to the Principals for their approval within two months from the date of signature of this Memorandum.
5. *Reporting.* The Principals are to report to the President of the United States of America and the President of the Russian Federation on cooperative activities being conducted under this Memorandum as determined by the Bilateral Presidential Commission.
6. *Annual Review.* The Principals should meet at least once a year to review progress of cooperation under this Memorandum.

SECTION 5

PARTICIPATING ORGANIZATIONS

DOE and ME may include representatives from other government agencies in their respective countries to participate as full members in the activities under this Memorandum. As necessary, Participants may bring in experts from other organizations to work within the framework of this Memorandum.

SECTION 6

GENERAL PROVISIONS

1. Each Participant is responsible for the costs of its participation in all cooperative activities carried out in the framework of this Memorandum.
2. The conduct of cooperative activities under this Memorandum is subject to the availability of funds, technical resources, and personnel.
3. Each Participant should conduct the cooperative activities under this Memorandum in accordance with the laws and regulations in force in that Participant's State and international agreements to which its State is party.
4. This Memorandum does not create any legally binding obligations between the Participants.

SECTION 7

COMMENCEMENT, DURATION, EXTENSION, MODIFICATION, AND DISCONTINUATION

1. Cooperative activities under this Memorandum may commence on the date of its signature.
2. This Memorandum may be modified in writing by mutual determination of the Participants.
3. A Participant that desires to discontinue its participation in this Memorandum should endeavor to give the other Participant at least ninety (90) days advance written notice.

SIGNED at Paris, in duplicate, on this 14th day of October, 2009, in the English and Russian languages.

FOR THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF AMERICA:

A handwritten signature in dark ink, appearing to read "Steve Chu", written in a cursive style.

FOR THE MINISTRY OF ENERGY
OF THE RUSSIAN FEDERATION:

A handwritten signature in dark ink, consisting of a large, stylized initial "S" followed by several vertical strokes, written in a cursive style.