

Memorandum of Understanding
between
The Regents of the University of California, as Management and Operating Contractor for
Lawrence Berkeley National Laboratory
and
Tianjin University

On Collaboration in the Field of Energy Solutions for Sustainable Environment

This Memorandum of Understanding (MOU) is between The Regents of the University of California (The Regents), in its capacity as the manager and operator of Lawrence Berkeley National Laboratory (LBNL) and Tianjin University.

LBNL is a U.S. Department of Energy National Laboratory managed and operated by The Regents pursuant to DOE Contract No. DE-AC02-05CH11231. Tianjin University is the first university in China founded in 1895 and also one of the key universities directly under the Ministry of Education of China. Tianjin University's academic program centers on engineering, combined with science and other academic disciplines.

The Regents and Tianjin University are collectively herein referred to as "Participants" or individually as a "Participant."

1. Objective

The objective of this Memorandum of Understanding (MOU) is to explore collaboration in the fields of energy efficiency, low carbon energy, and sustainable cities.

2. Proposed Areas of Collaboration

The Participants intend to collaborate in the following areas:

- Energy efficiency
- Renewable and clean energy
- Low carbon Eco-city
- Environmental impact assessment

3. Proposed Forms of Collaboration

The Participants expect to collaborate through mutual visits, the exchange of publicly-available information, exchanges of researchers and experts, training, and planning for

potential future joint research, with any future collaborative research to be undertaken only pursuant to an appropriate written agreement therefor.

4. Proposed Mechanisms of Cooperation

- A. To administer the implementation of this MOU, each Participant should designate one or more principal coordinators to be in charge of the collaboration, through whom all requests and plans of that Participant should be made.
- B. The principal coordinators may hold meetings when necessary to discuss matters related to collaboration under this MOU.
- C. The principal coordinator for The Regents is Dr. Nan Zhou. The principal coordinator for Tianjin University is Dr. Li Zhu.

5. Commencement, Modification and Discontinuation

- A. Cooperative activities under this MOU may commence upon signature and continue for a five (5) year period, unless discontinued in accordance with Paragraph B. of this Section, or extended in accordance with Paragraph C. of this Section.
- B. The Participants may discontinue this MOU at any time by mutual written consent. Alternatively, a Participant that wishes to discontinue its participation in this MOU should endeavor to provide at least thirty (30) days prior written notice to the other Participant.
- C. This MOU may be modified or extended for additional periods by mutual written consent of the Participants.

6. Exchange of Information

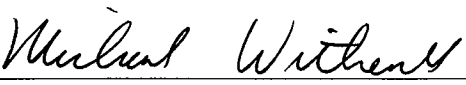
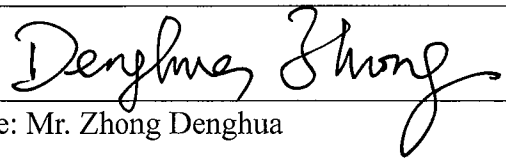
The Participants do not anticipate the exchange of any business-confidential information or the creation of any intellectual property. If the Participants determine that a particular activity may lead to the exchange of business-confidential information or the creation of intellectual property, they should consult with each other and enter into an appropriate written agreement therefor.

7. General Provisions

- A. Each Participant should conduct the activities contemplated by this MOU in accordance with all applicable laws, regulations and other requirements to which it is subject, including by way of illustration and not by way of limitation: export control laws; environmental, health and safety laws and regulations; and international agreements to which its Government is party.
- B. This MOU does not create any legally binding obligations between the Participants.
- C. The conduct of cooperative activities contemplated by this MOU is subject to the availability of funding, personnel, and other resources.

- D. Each Participant is responsible for the costs it incurs in participating in cooperative activities under this MOU.

Signed in duplicate.

FOR THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORATORY	TIANJIN UNIVERSITY
By: 	By: 
Name: Michael Witherell	Name: Mr. Zhong Denghua
Title: Director, Lawrence Berkeley National Laboratory	Title: President
Date: 8/11/17	Date: Sept. 22, 2017