

Memorandum of Understanding
between
The Regents of the University of California, as Management and Operating Contractor for
Lawrence Berkeley National Laboratory
and
Building and Construction Authority (Singapore)
Concerning Collaboration in the Field of Zero Energy Buildings

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 Building and Construction Authority (BCA).

LBNL is a U.S. Department of Energy (DOE) National Laboratory managed and operated by The Regents pursuant to DOE Contract No. DE-AC02-05CH11231. BCA, an agency under the Ministry of National Development in Singapore, manages the development of the built environment for Singapore.

The Regents and BCA are collectively herein referred to as “Participants” or individually as a “Participant.”

1. Objective

The Participants intend to explore collaboration in the field of Zero Energy Buildings.

2. Proposed Areas of Collaboration

The Participants intend to collaborate in the following areas:

- A. Design Strategies
- B. Passive and Active Building Technologies
- C. Renewable Integration
- D. Smart Energy Management
- E. Occupant Comfort
- F. Energy Modeling & Simulation
- G. Building Technologies & Controls Test Facilities - Design and Operations
- H. Building Technologies & Controls Test Facility Research Programs

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 principal coordinator 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 Ms. Cynthia Regnier. The principal coordinator for BCA is Mr. Tan Tian Chong.
- D. If a Participant wishes to change its designated principal coordinator, the Participant should provide written notice to the other Participant.

5. Commencement, Modification and Discontinuation

- A. Cooperative activities under this MOU may commence upon signature by the Participants 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 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

By: 

Name: Michael Witherell

Title: Director, Lawrence Berkeley National
Laboratory

Date: 14 Nov 2017

BUILDING AND CONSTRUCTION
AUTHORITY

By: 
Name: Mr. Lam Siew Wah

Title: Managing Director

Date: 14 Nov 2017