

May 7, 2007
Page 1

MEMORANDUM OF UNDERSTANDING (MOU)

between

ADVANCED ENERGY RESEARCH & TECHNOLOGY CENTER (AERTC)
STATE UNIVERSITY OF NEW YORK AT STONY BROOK

&

HAWAII NATURAL ENERGY INSTITUTE
UNIVERSITY OF HAWAII

concerning collaborative research on

RENEWABLE AND CARBON-MANAGED ENERGY SYSTEMS

May 7, 2007

Page 2

The parties to this memorandum share intent to conduct research that will reduce the carbon emissions burden of power generation and transportation fuels technologies. Specific research areas of mutual interest include, but are not limited to:

- Development of innovative technologies and processes to improve performance and reduce carbon emissions from both fossil fuel and renewable power systems;
- Quantification of the relative greenhouse gas penalties of conventional and renewable energy systems, through life cycle analysis (LCA);
- Energy resource assessments;
- Thermo-economic modeling of candidate energy scenarios to identify viable transition strategies for different markets.

Recognizing that significant benefits can be realized by coordinating activities and leveraging resources and expertise that exist at their respective facilities, the parties agree:

1. To cooperate on both administrative and technical aspects of projects and policies related to the above research themes;
2. That this partnership will comprise the Hawaii Natural Energy Institute (HNEI), University of Hawaii, located in Honolulu, Hawaii (HNEI) and the Advanced Energy Research & Technology Center (AERTC), State University of New York, located in Stony Brook, New York;
3. To convene immediately a standing planning committee (PC) consisting of at least two (2) but not more than four (4) representatives from each participating organization; the primary function of this committee will be to identify focus areas for R&D and to develop a strategy to secure funding to support these efforts; a secondary function of the committee will be to address any critical legal and organization issues such as intellectual property sharing, liability, etc.;
4. That if the partners submit collaborative research proposals, then they will allocate any funding that may result in the manner proposed;

May 7, 2007

Page 3

5. That this memorandum of understanding (MOU) does not in any way preclude or prohibit any of the partners from pursuing independent initiatives in related areas either alone or with other parties.

It is further agreed that the partners will work collaboratively to:

1. Explore, assess, and identify areas of mutual interest involving its research and/or educational initiatives;
2. Develop other partnership relationships with government agencies, departments, institutions, and/or industry to address these interests; and,
3. Secure from agencies the support and funding to carry out the research, and/or educational activities mutually agreed upon by the respective parties involved in each partnership.

In signing this memorandum of understanding, the partners affirm their desire to work collaboratively in pursuit of the goals and objectives outlined above.

_____/_____/2007
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