

AMENDED IN SENATE SEPTEMBER 1, 2011

**Senate Resolution**

**No. 19**

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**Introduced by Senators Hancock and Blakeslee**

August 30, 2011

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Senate Resolution No. 19—Relative to the Joint Bioenergy Institute.

1 WHEREAS, The State of California has a long history of leading  
2 the nation and the world in energy conservation, development, and  
3 deployment of renewable energy technologies, and research and  
4 development into new environmentally sustainable energy  
5 technologies and practices; and

6 WHEREAS, As evidence of the state's commitment to  
7 renewable energy and its world class research, industrial and  
8 educational resources, the United States Department of Energy's  
9 Office of Biological and Environmental Research selected the  
10 Joint Bioenergy Institute in 2007 as one of three national bioenergy  
11 research centers that are focused on developing new processes,  
12 systems, and science for the production of cellulosic fuels as a  
13 significant replacement of petroleum-based energy sources; and

14 WHEREAS, Three national laboratories located in California,  
15 including the Sandia National Laboratories, the Lawrence  
16 Livermore National Laboratory, the Lawrence Berkeley National  
17 Laboratory, the Carnegie Institution for Science, and the Berkeley  
18 and Davis campuses of the University of California are close  
19 collaborators in the Joint Bioenergy Institute; and

20 WHEREAS, The Joint Bioenergy Institute is focused on  
21 developing new methods of breaking down biomass and using  
22 microbes to efficiently convert biomass into advanced fuels that  
23 can be used directly with existing vehicles, and other transportation  
24 infrastructure; and

1 WHEREAS, The Joint Bioenergy Institute has demonstrated  
2 the effectiveness of bringing multiinstitutional and  
3 multidisciplinary research under one roof to greatly advance the  
4 development of new research strategies and the exploitation of  
5 novel scientific platforms, extending beyond the capability of any  
6 single organization, and has enabled experimentation using a  
7 systems biology approach that is leading to unprecedented findings;  
8 and

9 WHEREAS, The Joint Bioenergy Institute has already disclosed  
10 82 inventions, filed 39 patents, has over 20 technologies in  
11 licensing negotiations, and is working in close collaboration with  
12 industry, including California-based energy and green technology  
13 companies; and

14 WHEREAS, Ultimately, research at the Joint Bioenergy Institute  
15 will launch an array of creative advances in science, medicine, and  
16 industry and help develop biology-based solutions to some of the  
17 nation's most critical energy problems, such as sustainable  
18 biology-based fuels and other products; and

19 WHEREAS, The Joint Bioenergy Institute's location in  
20 California at an epicenter of world class research institutions,  
21 leading green technology companies, energy companies, venture  
22 capital, and political support for renewable energy allows this  
23 facility to build upon the state's unsurpassed commitment to  
24 developing sustainable energy alternatives and conservation  
25 practices, and provides an ideal incubator for moving scientific  
26 advances from the laboratory to the marketplace; and

27 WHEREAS, No other single region of the world can match  
28 California's concentration of science and technology leadership,  
29 backed by business and entrepreneurial expertise and a tradition  
30 of academic excellence; and

31 WHEREAS, The Joint Bioenergy Institute serves as an anchor  
32 of fundamental knowledge and capabilities that attracts and grows  
33 a cluster of new enterprises and opportunities, thereby further  
34 enhancing California's economy; and

35 WHEREAS, California's vibrant and aggressive venture capital  
36 community and intellectual property know-how is harnessing and  
37 commercializing the technological advances made at the Joint  
38 Bioenergy Institute in biotechnology, the life sciences, and energy  
39 technologies, helping to grow new California-based businesses

1 and maintaining and enhancing California’s scientific and  
2 economic competitiveness; and

3 WHEREAS, The Joint Bioenergy Institute well serves the  
4 citizens of California; now, therefore, be it

5 *Resolved by the Senate of the State of California*, That the Senate  
6 extends its congratulations and commendations for an extremely  
7 successful and productive five years to the Joint Bioenergy Institute  
8 in furthering energy security and improved environmental  
9 stewardship of the planet to the Sandia National Laboratories, the  
10 Lawrence Livermore National Laboratory, the Lawrence Berkeley  
11 National Laboratory, the Carnegie Institution for Science, the  
12 University of California, Berkeley, and the University of California,  
13 Davis; and be it further

14 *Resolved*, That the Senate recognizes the value, leadership, and  
15 service that the Joint Bioenergy Institute brings to California, and  
16 affirms its support for the Joint Bioenergy Institute in California;  
17 and be it further

18 *Resolved*, That the Senate encourages the United States  
19 Department of Energy to ~~carefully review and consider~~ *support*  
20 the renewal of the Joint Bioenergy Institute, keeping in mind the  
21 unmatched scientific, academic, and business resources present in  
22 California that are helping to deliver a tremendous return on the  
23 federal government’s investment; and be it further

24 *Resolved*, That the Secretary of the Senate transmit copies of  
25 this resolution to the author for appropriate distribution.