

JAN 23 2014

A BILL FOR AN ACT

MAKING AN APPROPRIATION TO THE UNIVERSITY OF HAWAII COLLEGE OF
ENGINEERING.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds the University of Hawaii
2 college of engineering has been offering engineering programs
3 since 1908. Engineering is at the core of dynamic economic
4 sectors including renewable energy, island sustainability,
5 transportation, communication, security, military support,
6 manufacturing, and construction. The engineering industry
7 generates approximately six per cent of the State's gross
8 domestic product.

9 The legislature further finds that the college of
10 engineering is vital to the supply of the engineering workforce
11 that will live and work in the State. Over the past thirty
12 years, college of engineering graduates have generated more than
13 30,000 engineering related jobs for the State. The engineering
14 workforce is critical to resolving the future challenges of the
15 State including developing renewable energy systems, medical
16 devices, safe water supplies, and energy efficient
17 transportation systems; increasing recycling efforts and



1 remanufacturing imported products; improving agricultural,
2 information technology, and health delivery systems; alleviating
3 the effects of global warming and sea level rise by rebuilding
4 the State's costal infrastructure; assisting in securing the
5 State during natural and manmade disasters; the exploration of
6 the ocean and space; and generating a diversified economy based
7 on new and emerging technological opportunities.

8 The legislature additionally finds that since 2006,
9 engineering and pre engineering enrollment at the college has
10 increased by over fifty per cent, and the college of
11 engineering's competitive research expenditures have doubled
12 since 2004. Students participate in many projects related to
13 building and diversifying the State's economy in areas
14 including: aerospace, manufacturing, building drones and
15 associated communication systems, building and competing
16 internationally with robots, building and competing nationally
17 with civil engineering structures, and building surface and
18 underwater autonomous vehicles. College of engineering students
19 and faculty regularly compete and place in entrepreneurial
20 challenges at the University of Hawaii and nationally. Three
21 times in the last decade, the school has produced the top
22 electrical engineering student in the United States.



1 The legislature also finds that the college of engineering
2 has been occupying Holmes Hall since 1972. Holmes Hall, built
3 forty-two years ago, was designed to meet a very different style
4 of student engagement and teaching. Holmes Hall's current
5 maintenance and repair bill is \$18,000,000 and indicates the
6 need to do a complete renovation to provide for new laboratory
7 environments for teaching and research, new project space for
8 students to experiment with hands-on project work, and new
9 classroom environments, increasing the effectiveness of teaching
10 tomorrow's engineers.

11 Accordingly, the purpose of this Act is to appropriate
12 funds to the University of Hawaii college of engineering for the
13 design and renovation of Holmes Hall.

14 SECTION 2. The director of finance is authorized to issue
15 general obligation bonds in the sum of \$2,000,000 or so much
16 thereof as may be necessary and the same sum or so much thereof
17 as may be necessary is appropriated for fiscal year 2014-2015
18 for the design and renovation of Holmes Hall.

19 The sum appropriated shall be expended by the University of
20 Hawaii for the purposes of this Act.

21 SECTION 3. The appropriation made for the capital
22 improvement project authorized by this Act shall not lapse at



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1 the end of the fiscal biennium for which the appropriation is
2 made; provided that all moneys from the appropriation
3 unencumbered as of June 30, 2016, shall lapse as of that date.

4 SECTION 4. This Act shall take effect on July 1, 2014.

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INTRODUCED BY:

Tom Chung
Will Zygo

[Signature]
[Signature]



S.B. NO. 3116

Report Title:

University of Hawaii College of Engineering; Appropriation

Description:

Appropriates general obligation bonds to the University of Hawaii college of engineering for the design and renovation of Holmes Hall.

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