
A BILL FOR AN ACT

RELATING TO HIGH TECHNOLOGY.

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

1 SECTION 1. The legislature finds that the development of
2 high technology parks are needed to promote research, education,
3 and technological innovation. It is also necessary to
4 strengthen state critical infrastructure and to develop a
5 knowledge-based workforce capable of leading new opportunities
6 in several different sectors of the economy.

7 The legislature further finds that the implementation of a
8 trans-Pacific broadband cable provides the necessary broadband
9 connectivity to support high technology parks. The State may
10 facilitate the deployment of a trans-Pacific cable through a
11 partnership with multiple sectors in private industry that have
12 a real interest in demonstrating the commercial applicability of
13 new sensor technology and edge-processing analytics.

14 The legislature further finds that the development of high
15 technology parks and the trans-Pacific broadband cable will
16 integrate state-of-the-art communication platforms, unmanned
17 aerial vehicles, and big data analytics revealing broadband
18 internet capabilities. That technology may also be used for



1 real-time visualization, monitoring, and analysis of information
2 concerning weather, traffic, transportation systems, police, and
3 medical services. This system will be especially vital for
4 protecting lives in rural areas as well. High technology parks
5 will use these sensing and analytical technologies to support a
6 prototype of operational tools necessary to develop a joint
7 emergency management center and will provide a space for the
8 education and training to prepare the necessary workforce,
9 including operational cyber ranges.

10 The legislature further finds that the double pressures of
11 an increased population and commensurate residential development
12 strain an aging infrastructure, resulting in heightened risk for
13 the State. Accordingly, there needs to be a paradigm shift on
14 how the State addresses its critical infrastructure needs.

15 Through the development of public-private partnerships
16 specifically focused on research and development, Hawaii can
17 address current vulnerabilities while building a technologically
18 advanced, knowledge-based future workforce. Technological
19 advancements applied to critical infrastructure can improve
20 infrastructure reliability and security.



1 The purpose of this Act is to authorize the high technology
2 development corporation to establish high technology parks, and
3 an advisory board governance structure for each high technology
4 park, to facilitate broadband connectivity for research,
5 education, and technological innovations necessary to strengthen
6 critical infrastructure, develop a knowledge-based workforce,
7 and diversify the economy.

8 SECTION 2. Chapter 206M, Hawaii Revised Statutes, is
9 amended by adding a new part to be appropriately designated and
10 to read as follows:

11 **"PART . HIGH TECHNOLOGY PARKS**

12 **§206M-A Definitions.** As used in this part, unless the
13 context otherwise requires:

14 "Advisory board" means the advisory board of high
15 technology parks review, established pursuant to section 206M-B.

16 "Development corporation" means the high technology
17 development corporation established by section 206M-2.

18 **§206M-B Advisory board of high technology parks review;**

19 **established.** (a) There is established, for each high
20 technology park established pursuant to this part, an advisory
21 board of high technology parks review, which shall be placed



1 within the development corporation for administrative purposes
2 only. Each advisory board shall consist of the following voting
3 members:

- 4 (1) The director of business, economic development, and
5 tourism or the director's designee;
- 6 (2) The chief executive officer of Enterprise Honolulu or
7 the chief executive officer's designee; and
- 8 (3) One representative of the Asia-Pacific institute for
9 resilience and sustainability.

10 (b) The board of directors of the high technology
11 development corporation may appoint up to four additional
12 members to each advisory board, who shall serve as nonvoting
13 members. The nonvoting advisory board members shall be drawn
14 from fields of activity related to each high technology park.
15 The terms of the members shall be four years.

16 The board shall select one of its members to serve as chair
17 and one of its members to serve as vice-chair. No member of the
18 board shall receive any compensation for board services but
19 shall be reimbursed for necessary expenses, including travel,
20 incurred in the performance of board duties.



1 **§206M-C Advisory board duties.** An advisory board shall
2 work in cooperation with the development corporation to:
3 (1) Develop standards for testing and establishing
4 investments to deliver a trans-Pacific broadband cable
5 to Hawaii;
6 (2) Establish relationships among public, private, and
7 civil sectors to assist in developing new
8 opportunities to diversify Hawaii's economy, and enter
9 into cooperative agreements with coordinating
10 entrepreneurs or public agencies that have the
11 necessary and appropriate capabilities to implement
12 research and development programs using big data
13 analytics, cognitive and high-performance computing,
14 and advanced network science principles for decision
15 engineering;
16 (3) Establish and implement high technology parks that
17 shall be used to:
18 (A) Establish a comprehensive strategy for securing
19 investments to deliver a trans-Pacific broadband
20 cable to Hawaii;



- 1 (B) Promote research and development opportunities to
- 2 support the enhancement of critical
- 3 infrastructure and emergency management; and
- 4 (C) Support the development of the next generation of
- 5 knowledge-based workers in innovation and
- 6 technological research and development focused on
- 7 the strategic design of public service systems to
- 8 provide a supportive environment to support a
- 9 higher quality of life in Hawaii; and
- 10 (4) Establish relationships among public, private, and
- 11 civil sectors to assist in developing high technology
- 12 parks with key agencies among civil, government, or
- 13 academic institutions including:
 - 14 (A) The department of defense;
 - 15 (B) The department of public safety;
 - 16 (C) Each county's economic development board or
 - 17 office, as applicable;
 - 18 (D) The University of Hawaii; and
 - 19 (E) The Asia-Pacific institute for resilience and
 - 20 sustainability.



1 **§206M-D Development of high technology parks.**

2 Notwithstanding the financing limitations established under
3 section 206M-5, an advisory board, in cooperation with the
4 development corporation, when establishing a high technology
5 park, shall adopt development rules for a high technology park
6 utilizing the process established for industrial parks pursuant
7 to section 206M-5, without regard to the means of financing used
8 to fund the establishment of the high technology park."

9 SECTION 3. Section 206M-2, Hawaii Revised Statutes, is
10 amended by amending subsection (a) to read as follows:

11 "(a) There is established the high technology development
12 corporation, which shall be a public body corporate and politic
13 and an instrumentality and agency of the State. The development
14 corporation shall be placed within the department of business,
15 economic development, and tourism for administrative purposes,
16 pursuant to section 26-35. The purpose of the development
17 corporation shall be to facilitate the growth and development of
18 the commercial high technology industry in Hawaii. Its duties
19 shall include[7] but not be limited to:

- 20 (1) Developing and encouraging industrial parks as high
21 technology innovation centers and developing or



- 1 assisting with the development of projects within or
2 outside of industrial parks, including participating
3 with the private sector in such development;
- 4 (2) Providing financial and other support and services to
5 Hawaii-based high technology companies;
- 6 (3) Collecting and analyzing information on the state of
7 commercial high technology activity in Hawaii;
- 8 (4) Promoting and marketing Hawaii as a site for
9 commercial high technology activity; [~~and~~]
- 10 (5) Providing advice on policy and planning for
11 technology-based economic development[-]; and
- 12 (6) Establishing and implementing high technology parks
13 pursuant to section 206M-C."

14 SECTION 4. In codifying the new sections added by section
15 2 of this Act, the revisor of statutes shall substitute
16 appropriate section numbers for the letters used in designating
17 the new sections in this Act.

18 SECTION 5. Statutory material to be repealed is bracketed
19 and stricken. New statutory material is underscored.

20 SECTION 6. This Act shall take effect on July 1, 2015.



Report Title:

High Technology Parks; High Technology Development Corporation;
Advisory Boards

Description:

Authorizes the high technology development corporation to establish high technology parks. Establishes an advisory board governance structure for high technology parks within the high technology development corporation. (SD1)

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