



Rep. Charles Meier

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LRB102 10886 RJF 25910 a

1 AMENDMENT TO SENATE BILL 1693

2 AMENDMENT NO. \_\_\_\_\_. Amend Senate Bill 1693 by replacing  
3 everything after the enacting clause with the following:

4 "Section 1. Short title. This Act may be cited as the  
5 Illinois Industrial Biotech Partnership Act.

6 Section 5. Purpose. Illinois will actively pursue  
7 expansion of the industrial biotechnology and biorenewables  
8 industry. This growing field closely aligns with several key  
9 industries, such as agriculture and Ag-Tech, life sciences and  
10 healthcare, and manufacturing that the State is pursuing  
11 through the 2019 Plan to Revitalize the Illinois Economy and  
12 Build the Workforce of the Future. Illinois is well positioned  
13 to lead the nation with ample feedstocks, dedicated research  
14 facilities, specialized job training programs, and an existing  
15 manufacturing base required to lead this industry.  
16 Modifications to several existing programs will ensure the

1 State provides the correct aid and incentives to help attract  
2 this growing industry.

3 Section 10. Definitions. As used in this Act:

4 "Department" means the Department of Commerce and Economic  
5 Opportunity.

6 "Industrial biotechnology" means biotechnology focused on  
7 new industrial products and processes. Such products are  
8 diverse and include industrial materials, chemicals and  
9 solvents, and feed and food. This segment of biotechnology is  
10 different from health biotechnology (pharmaceuticals),  
11 agricultural biotechnology (transgenic crops), or  
12 environmental biotechnology (bioremediation).

13 "Partnership" means the Industrial Biotechnology  
14 Public-Private Partnership established under this Act.

15 Section 15. Industrial Biotechnology Public-Private  
16 Partnership.

17 (a) There is hereby established the Industrial  
18 Biotechnology Public-Private Partnership as a State-sponsored  
19 board consisting of members from State agencies, research  
20 facilities, industry, and agriculture, to promote and market  
21 Illinois as the leading destination for research, development,  
22 and commercialization for industrial biotechnology.

23 (b) The Partnership shall consist of the following  
24 members:

1           (1) a representative of the Department of Agriculture,  
2 appointed by the Director of Agriculture;

3           (2) a representative of the Department of Commerce and  
4 Economic Opportunity, appointed by the Director of  
5 Commerce and Economic Opportunity;

6           (3) a representative of the Department of Labor,  
7 appointed by the Director of Labor;

8           (4) a representative of the National Corn to Ethanol  
9 Research Center, appointed by the Director of Commerce and  
10 Economic Opportunity;

11           (5) a representative of the Integrated Bioprocessing  
12 Research Laboratory, appointed by the Director of Commerce  
13 and Economic Opportunity;

14           (6) a representative of the National Center for  
15 Agricultural Utilization Research, who shall participate  
16 in a non-voting capacity, appointed by the Director of  
17 Commerce and Economic Opportunity in consultation with the  
18 Director of USDA, Agricultural Research Service;

19           (7) a representative of an additional State-sponsored,  
20 university-affiliated laboratory or research institution  
21 conducting industrial biotechnology research (in addition  
22 to persons appointed under paragraphs (4) and (5))  
23 appointed by the Director of Commerce and Economic  
24 Opportunity;

25           (8) a representative of an Illinois agricultural  
26 commodity group or farmer organization, appointed by the

1 Director of Commerce and Economic Opportunity;

2 (9) a representative of a grain or oilseed processing  
3 company with current facilities located in Illinois,  
4 appointed by the Director of Commerce and Economic  
5 Opportunity;

6 (10) a representative of a biotechnology company,  
7 appointed by the Director of Commerce and Economic  
8 Opportunity;

9 (11) a representative of an environmental group  
10 committed to biorenewables, appointed by the Director of  
11 Commerce and Economic Opportunity; and

12 (12) a representative of a union of operating  
13 engineers, appointed by the Director of Commerce and  
14 Economic Opportunity.

15 (c) Members of the Partnership shall be appointed within  
16 90 days after the effective date of this Act. The Partnership  
17 shall meet at least quarterly, and hold its first meeting  
18 within 90 days after the appointment of all members. At the  
19 first meeting of the Partnership, a Chairperson shall be  
20 chosen from among the members. Members of the Partnership  
21 shall serve without compensation, but may be reimbursed for  
22 any expenses incurred in performing their duties.

23 (d) A non-profit organization, in partnership with the  
24 Department, may provide administrative and other support to  
25 the Industrial Biotechnology Public-Private Partnership.

1           Section 20. Duties. The Partnership shall have the  
2 following duties:

3           (1) The Partnership shall develop and direct efforts  
4 to attract companies to utilize existing Illinois  
5 facilities for research, development, and  
6 pre-commercialization activities, including, but not  
7 limited to: (i) representing Illinois at biotechnology  
8 conferences; (ii) developing promotional and marketing  
9 materials in coordination with existing research  
10 facilities to use Illinois facilities; (iii) making  
11 companies aware of local, State, and federal programs in  
12 this State that may help such companies in their  
13 activities; and (iv) facilitating meetings for companies  
14 that are prospective candidates for establishing a  
15 presence in this State.

16           (2) The Partnership shall develop programs to  
17 encourage emerging research, development, and  
18 commercialization biotechnology companies to locate  
19 production facilities in Illinois, including, but not  
20 limited to: (i) acting as an information clearinghouse for  
21 new companies on all State programs and investment  
22 incentives; and (ii) working with local and regional  
23 economic development groups.

24           (3) The Partnership shall provide advice and  
25 recommendations to State agencies on industrial  
26 biotechnology, including, but not limited to: (i) the

1 Industrial Biotechnology Workforce Development Grant  
2 Program; (ii) grants issued from the Industrial  
3 Biotechnology Human Capital Fund; and (iii) grants issued  
4 from the Industrial Biotechnology Capital Maintenance  
5 Fund.

6 (4) The Partnership, subject to appropriation, may  
7 issue grants for the promotion of industrial  
8 biotechnology.

9 (5) On or before January 31 in years following a year  
10 in which State funding was received, the Partnership shall  
11 submit a report on the activities of the Partnership to  
12 the Department, the General Assembly, and the Governor as  
13 provided under this Act.

14 Section 25. Funding. The Partnership may receive funding  
15 through specific appropriations available for its purposes  
16 made to the Department. For any amount appropriated to the  
17 Partnership under this Section, private funds must be  
18 contributed on a 3:1 ratio basis.

19 Section 30. Reports. On or before January 31 in years  
20 following a year in which State funding was received, the  
21 Partnership shall submit to the Department, the General  
22 Assembly, and the Governor a report describing the use of  
23 appropriated funds for purposes including, but not limited to,  
24 marketing materials produced, meetings attended, and the

1 hosting of companies visiting this State.

2 Section 35. Rules. The Department shall adopt all rules  
3 necessary for the implementation of this Act.

4 Section 100. The Department of Commerce and Economic  
5 Opportunity Law of the Civil Administrative Code of Illinois  
6 is amended by adding Section 605-1057 as follows:

7 (20 ILCS 605/605-1057 new)

8 Sec. 605-1057. Industrial Biotechnology Workforce  
9 Development Grant Program.

10 (a) The Industrial Biotechnology Workforce Development  
11 Grant Program is hereby established as a Program to be  
12 implemented and administered by the Department. The Program  
13 shall provide grants for the purpose of fostering a  
14 well-trained and well-skilled industrial biotechnology  
15 workforce.

16 (b) Subject to appropriation, grants under the Program  
17 shall be awarded on an annual basis as follows:

18 (1) \$1,000,000 for industrial biotechnology  
19 apprenticeships or apprenticeship programs;

20 (2) \$500,000 for industrial biotechnology talent  
21 pipeline management, to emphasize business-oriented  
22 strategies to increase workforce competitiveness, improve  
23 workforce diversity, and expand a regional talent pool

1 around high-growth industries;

2 (3) \$500,000 for industrial biotechnology  
3 industry-aligned credential (digital badging) expansion,  
4 to increase the number of workers with in-demand skills  
5 needed to obtain a job or advance within the workplace and  
6 for merging competency-based education with responsive  
7 workforce training strategies; and

8 (4) \$500,000 for high school and community college  
9 industrial biotechnology career pathway and  
10 pre-apprenticeship program development.

11 (c) To be eligible for grants provided under the Program,  
12 an entity must be either: (i) a State-sponsored,  
13 university-affiliated laboratory or research institution  
14 conducting collaboratives or for-hire research in the  
15 development of biorenewable chemicals, bio-based polymers,  
16 materials, novel feeds, or additional value added  
17 biorenewables; or (ii) a State-accredited university or  
18 community college. An eligible entity must establish that it  
19 plans to use grant funds for a purpose specifically provided  
20 under subsection (b).

21 (d) Subject to appropriation, the Department of Commerce  
22 and Economic Opportunity shall submit an annual report to the  
23 General Assembly and the Governor on the use of grant funds  
24 under the Program. The report shall include, but not be  
25 limited to: (i) the disbursement of grant funds, categorized  
26 by eligible entity; (ii) the number of persons enrolled in or



1 taking advantage of a program established or maintained using  
2 grant funds; (iii) the number of persons completing a program  
3 established or maintained using grant funds; and (iv) the  
4 number of persons gaining employment in the industrial  
5 biotechnology industry following completion of a program  
6 established or maintained using grant funds.

7 (e) The Department shall adopt all rules necessary for the  
8 implementation and administration of the Program under this  
9 Section.

10 Section 105. The State Finance Act is amended by adding  
11 Sections 6z-124.5 and 6z-125 as follows:

12 (30 ILCS 105/6z-124.5 new)

13 Sec. 6z-124.5. Industrial Biotechnology Human Capital  
14 Fund.

15 (a) The Industrial Biotechnology Human Capital Fund is  
16 created as a special fund in the State treasury and may receive  
17 funds from any source, public or private, including moneys  
18 appropriated for use by the Department of Commerce and  
19 Economic Opportunity and laboratories and institutions  
20 conducting industrial biotechnology research. Subject to  
21 appropriation, the funding allocation for the Fund shall be no  
22 less than \$1,000,000 from available funds in the General  
23 Revenue Fund for the first 5 years after the effective date of  
24 this amendatory Act of the 102nd General Assembly.

1       (b) Moneys in the Fund shall be used for providing grants  
2 directly to laboratories and research institutions for the  
3 purpose of hiring and retaining in-house specialists, to be  
4 known as Experts-In-Residence, with the knowledge and  
5 experience in moving industrial biotechnology products through  
6 the development phase. Any eligible entity, as a condition of  
7 receiving a grant under this Section, shall contribute moneys  
8 to the Fund as a part of a cost sharing agreement between the  
9 grantee and the Department of Commerce and Economic  
10 Opportunity, as shall be prescribed by the Department by rule.  
11 Grants issued under this Section may be for a period of 2  
12 years. Any eligible entity issued a grant under this Section  
13 shall be eligible for more than one such grant, but no more  
14 than one grant annually, for the purpose of hiring and  
15 retaining Experts-In-Residence; however, such entity may  
16 maintain more than one grant at any given time.

17       (c) To be eligible for grants provided from the Fund, an  
18 entity must be a State-sponsored, university-affiliated  
19 laboratory or research institution conducting collaboratives  
20 or for-hire research in the development of biorenewable  
21 chemicals, bio-based polymers, materials, novel feeds, or  
22 additional value added biorenewables. Eligible entities must  
23 also establish that the Expert-In-Residence they seek to hire  
24 or retain using the grant funds possesses expertise in  
25 fermentation engineering, process engineering, catalytic  
26 engineering, analytical chemistry, or is a scale-up

1 specialist.

2 (d) Subject to appropriation, the Department of Commerce  
3 and Economic Opportunity shall submit an annual report to the  
4 General Assembly and the Governor on the use of moneys in the  
5 Fund. The report shall include, but not be limited to: (i) the  
6 number of laboratories or institutions utilizing moneys in the  
7 Fund, including the name of such entities; (ii) the number of  
8 Experts-In-Residence hired by each laboratory or institution;  
9 (iii) the expertise or specialty area of each  
10 Expert-In-Residence for which he or she was hired or retained;  
11 and (iv) a summary of the benefit to the economy of the State  
12 of Illinois economy in providing the grants.

13 (e) The Department of Commerce and Economic Opportunity  
14 shall adopt all rules necessary for the implementation of this  
15 Section.

16 (30 ILCS 105/6z-125 new)

17 Sec. 6z-125. Industrial Biotechnology Capital Maintenance  
18 Fund.

19 (a) The Industrial Biotechnology Capital Maintenance Fund  
20 is created as a special fund in the State treasury and may  
21 receive funds from any source, public or private, including  
22 from moneys appropriated for use by the Department of Commerce  
23 and Economic Opportunity and laboratories and institutions  
24 conducting industrial biotechnology research. Subject to  
25 appropriation, the funding allocation for the Fund shall be no

1 less than \$1,000,000 per year.

2 (b) Moneys in the Fund shall be used for providing grants  
3 to laboratories and research institutions for the purpose of  
4 maintenance and repair of capital assets. Such funds may be  
5 used for either or both (i) maintenance and repairs of  
6 existing capital assets or (ii) to expand the capacity of  
7 equipment and buildings by at least 10%. For the purposes of  
8 this Section, "capital assets" means equipment or buildings  
9 that have a value greater than \$250,000.

10 (c) To be eligible for grants provided from the Fund, an  
11 entity must be a State-sponsored, university-affiliated  
12 laboratory or research institution conducting collaboratives  
13 or for-hire research in the development of biorenewable  
14 chemicals, bio-based polymers, materials, novel feeds, or  
15 additional value added biorenewables. The Department of  
16 Commerce and Economic Opportunity shall determine the  
17 disbursement of moneys for purposes of this Section. Any  
18 eligible entity, as a condition of receiving a grant under  
19 this Section, shall match up to at least 50% of the moneys to  
20 be granted to the entity.

21 (d) Subject to appropriation, the Department of Commerce  
22 and Economic Opportunity shall submit an annual report to the  
23 General Assembly and the Governor on the use of moneys in the  
24 Fund. The report shall include, but not be limited to: (i) the  
25 name of the institution or laboratory receiving funds; (ii)  
26 the capital assets that were maintained or repaired at each

1 institution or laboratory; (iii) the expected usable life  
2 extension of each maintained or repaired asset; and (iv) the  
3 capacity increase of each maintained or repaired asset.

4 (e) The Department of Commerce and Economic Opportunity  
5 shall adopt all rules necessary for the implementation of this  
6 Section."