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NEWSPAPER ARTICLES: Yes

"Nine N.J. colleges sign on to Big Data coalition," NJBIZ, 1-18-17

LAW/KR

P.L. 2014, CHAPTER 33, *approved August 15, 2014*
Senate, No. 582 (*Second Reprint*)

1 AN ACT designating the New Jersey Big Data Alliance as the
2 State's advanced cyberinfrastructure consortium, and
3 supplementing Title 52 of the Revised Statutes.
4

5 **BE IT ENACTED** by the Senate and General Assembly of the State
6 of New Jersey:
7

8 1. a. The New Jersey Big Data Alliance is designated as the
9 State's advanced cyberinfrastructure consortium. The purpose of
10 the consortium shall be to encourage State government, academia,
11 and industry to address, in a strategic and coordinated manner, the
12 significant and immediate challenges posed by the proliferation of
13 big data sources and the resultant deluge of digital data. Major
14 initiatives ²~~shall~~ may² include, but not be limited to: (1)
15 encouraging the creation of joint education programs, including the
16 establishment of a common curriculum for data sciences and the
17 creation of coordinated certificates, workforce training, and
18 outreach programs; (2) promoting inter-university research
19 collaborations; (3) catalyzing interaction with national and
20 international data consortiums, such as the National Consortium for
21 Data Science; (4) organizing events that promote big data education
22 and collaborating across State government, academia, and industry;
23 (5) collaborating with the Rutgers Discovery Informatics Institute
24 and the Office of Information Technology to develop an advanced
25 cyberinfrastructure plan for the State; and (6) ²~~collaborating with~~
26 ~~the Rutgers Discovery Informatics Institute on the development of]~~
27 developing² a shared data cloud that integrates data infrastructure,
28 hosted data, and data analytics.

29 b. The New Jersey Big Data Alliance shall consist of the
30 following members: Rutgers, the State University; Princeton
31 University; New Jersey Institute of Technology; Rowan University;
32 the Richard Stockton College of New Jersey; Kean University;
33 ¹Montclair State University¹ and the Stevens Institute of
34 Technology. The New Jersey Big Data Alliance shall determine the
35 appropriate size of its membership and admit future members as the
36 alliance deems appropriate.

37 c. As used in this section:

38 "Big data" means high volume information assets, high velocity
39 information assets, high variety information assets, or all three, that

EXPLANATION – Matter enclosed in bold-faced brackets **[thus]** in the above bill is
not enacted and is intended to be omitted in the law.

Matter underlined thus is new matter.

Matter enclosed in superscript numerals has been adopted as follows:

¹Senate SEG committee amendments adopted January 30, 2014.

²Assembly floor amendments adopted June 16, 2014.

1 require new forms of processing to enable enhanced decision
2 making, insight discovery, and process optimization.

3 The term “cyberinfrastructure” includes, but is not limited to,
4 data networks, computational facilities, computing resources, large
5 data sets, specialized software applications, information technology
6 usage improvements, and the human expertise necessary to develop
7 and manage these resources.

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9 2. This act shall take effect immediately.

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14 _____
15 Designates New Jersey Big Data Alliance as State’s advanced
cyberinfrastructure consortium.

SENATE, No. 582

STATE OF NEW JERSEY
216th LEGISLATURE

PRE-FILED FOR INTRODUCTION IN THE 2014 SESSION

Sponsored by:

Senator BOB SMITH

District 17 (Middlesex and Somerset)

SYNOPSIS

Designating New Jersey Big Data Alliance as State's advanced cyberinfrastructure consortium.

CURRENT VERSION OF TEXT

As introduced.



1 AN ACT designating the New Jersey Big Data Alliance as the
2 State's advanced cyberinfrastructure consortium, and
3 supplementing Title 52 of the Revised Statutes.
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5 **BE IT ENACTED** by the Senate and General Assembly of the State
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9 State's advanced cyberinfrastructure consortium. The purpose of
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11 and industry to address, in a strategic and coordinated manner, the
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13 big data sources and the resultant deluge of digital data. Major
14 initiatives shall include, but not be limited to: (1) encouraging the
15 creation of joint education programs, including the establishment of
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17 coordinated certificates, workforce training, and outreach programs;
18 (2) promoting inter-university research collaborations; (3)
19 catalyzing interaction with national and international data
20 consortiums, such as the National Consortium for Data Science; (4)
21 organizing events that promote big data education and collaborating
22 across State government, academia, and industry; (5) collaborating
23 with the Rutgers Discovery Informatics Institute and the Office of
24 Information Technology to develop an advanced cyberinfrastructure
25 plan for the State; and (6) collaborating with the Rutgers Discovery
26 Informatics Institute on the development of a shared data cloud that
27 integrates data infrastructure, hosted data, and data analytics.

28 b. The New Jersey Big Data Alliance shall consist of the
29 following members: Rutgers, the State University; Princeton
30 University; New Jersey Institute of Technology; Rowan University;
31 the Richard Stockton College of New Jersey; Kean University; and
32 the Stevens Institute of Technology. The New Jersey Big Data
33 Alliance shall determine the appropriate size of its membership and
34 admit future members as the alliance deems appropriate.

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37 information assets, high variety information assets, or all three, that
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46 2. This act shall take effect immediately.

STATEMENT

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This bill designates the New Jersey Big Data Alliance as the State’s advanced cyberinfrastructure consortium.

Under the bill, the purpose of the consortium is to encourage State government, academia, and industry to address, in a strategic and coordinated manner, the significant and immediate challenges posed by the proliferation of big data sources and the resultant deluge of digital data. Major initiatives are to include, but not be limited to: (1) encouraging the creation of joint education programs, including the establishment of a common curriculum for data sciences and the creation of coordinated certificate, workforce training, and outreach programs; (2) promoting inter-university research collaborations; (3) catalyzing interaction with national and international data consortiums, such as the National Consortium for Data Science; (4) organizing events that promote big data education and collaboration across government, academia, and industry; (5) collaborating with the Rutgers Discovery Informatics Institute and the Office of Information Technology to develop an advanced cyberinfrastructure plan for the State; and 6) collaborating with the Rutgers Discovery Informatics Institute on the development of a shared data cloud that integrates data infrastructure, hosted data, and data analytics.

Under the bill, the New Jersey Big Data Alliance is to consist of the following members: Rutgers, the State University; Princeton University; New Jersey Institute of Technology; Rowan University; the Richard Stockton College of New Jersey; Kean University; and the Stevens Institute of Technology. The bill provides that the New Jersey Big Data Alliance is to determine the appropriate size of its membership and admit future members as the alliance deems appropriate.

Under the bill, “big data” means high volume information assets, high velocity information assets, high variety information assets, or all three, that require new forms of processing to enable enhanced decision making, insight discovery, and process optimization. The term “cyberinfrastructure” includes, but is not limited to, data networks, computational facilities, computing resources, large data sets, specialized software applications, information technology usage improvements, and the human expertise necessary to develop and manage such resources.

The New Jersey Big Data Alliance, Rutgers Discovery Informatics Institute, and the Office of Information Technology are to collaborate to create an advanced cyberinfrastructure plan that will consist of, among other things, a shared data cloud that integrates data infrastructure, hosted data, and data analytics. An advanced cyberinfrastructure allows businesses, researchers, and students, via a network backbone, to connect with supercomputers

1 and data repositories from their desktops to analyze and store large,
2 complex data sets. The ability to analyze and store large, complex
3 data sets is key to achieving breakthroughs in finance, mathematics,
4 medicine, and other applied sciences that would not otherwise be
5 possible through the use of traditional computational, data
6 management, and software tools.

SENATE ECONOMIC GROWTH COMMITTEE

STATEMENT TO

SENATE, No. 582

with committee amendments

STATE OF NEW JERSEY

DATED: JANUARY 30, 2014

The Senate Economic Growth Committee reports favorably and with committee amendments Senate Bill No. 582.

As amended and reported, this bill designates the New Jersey Big Data Alliance as the State's advanced cyberinfrastructure consortium. Under the bill, the purpose of the consortium is to encourage State government, academia, and industry to address, in a strategic and coordinated manner, the significant and immediate challenges posed by the proliferation of big data sources and the resultant deluge of digital data. Major initiatives include, but are not limited to: 1) encouraging the creation of joint education programs, including the establishment of a common curriculum for data sciences and the creation of coordinated certificate, workforce training, and outreach programs; 2) promoting inter-university research collaborations; 3) catalyzing interaction with national and international data consortiums, such as the National Consortium for Data Science; 4) organizing events that promote big data education and collaboration across government, academia, and industry; 5) collaborating with the Rutgers Discovery Informatics Institute and the Office of Information Technology to develop an advanced cyberinfrastructure plan for the State; and 6) collaborating with the Rutgers Discovery Informatics Institute on the development of a shared data cloud that integrates data infrastructure, hosted data, and data analytics.

Under the bill, "big data" means high volume, high velocity, or high variety information assets, that require forms of processing to enable enhanced decision making, insight discovery, and process optimization. The term "cyberinfrastructure" includes, but is not limited to, data networks, computational facilities, computing resources, large data sets, specialized software applications, information technology usage improvements, and the human expertise necessary to develop and manage these resources.

Under the bill, the New Jersey Big Data Alliance is to consist of the following members: Rutgers, the State University; Princeton University; New Jersey Institute of Technology; Rowan University; the Richard Stockton College of New Jersey; Kean University; Montclair State University; and the Stevens Institute of Technology.

The bill provides that the New Jersey Big Data Alliance is to determine the appropriate size of its membership and admit future members as the alliance deems appropriate.

The New Jersey Big Data Alliance, Rutgers Discovery Informatics Institute, and the Office of Information Technology are to collaborate to create an advanced cyberinfrastructure plan that is to consist of, among other things, a shared data cloud that integrates data infrastructure, hosted data, and data analytics. An advanced cyberinfrastructure is to allow businesses, researchers, and students, via a network backbone, to connect with supercomputers and data repositories from their desktops to analyze and store large, complex data sets.

The committee amended the bill to add Montclair State University to the membership of the New Jersey Big Data Alliance.

This bill was pre-filed for introduction in the 2014-2015 session pending technical review. As reported, the bill includes the changes required by technical review, which has been performed.

STATEMENT TO
[First Reprint]
SENATE, No. 582

with Assembly Floor Amendments
(Proposed by Assemblyman CHIVIKULA)

ADOPTED: JUNE 16, 2014

These floor amendments remove the requirement to include the listed consortium initiatives and instead make the initiatives elective. These floor amendments also remove the requirement that the consortium collaborate with Rutgers Discovery Informatics Institute in the development of a shared data cloud. These amendments make this bill identical to A2218(2R).

ASSEMBLY, No. 2218

STATE OF NEW JERSEY 216th LEGISLATURE

INTRODUCED JANUARY 27, 2014

Sponsored by:

Assemblyman UPENDRA J. CHIVUKULA

District 17 (Middlesex and Somerset)

SYNOPSIS

Designates New Jersey Big Data Alliance as State's advanced cyberinfrastructure consortium.

CURRENT VERSION OF TEXT

As introduced.



1 AN ACT designating the New Jersey Big Data Alliance as the
2 State's advanced cyberinfrastructure consortium, and
3 supplementing Title 52 of the Revised Statutes.

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5 **BE IT ENACTED** *by the Senate and General Assembly of the State*
6 *of New Jersey:*

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23 with the Rutgers Discovery Informatics Institute and the Office of
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A2218 CHIVUKULA

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3 medicine, and other applied sciences that would not otherwise be
4 possible through the use of traditional computational, data
5 management, and software tools.

ASSEMBLY TELECOMMUNICATIONS AND UTILITIES
COMMITTEE

STATEMENT TO
ASSEMBLY, No. 2218

with committee amendments

STATE OF NEW JERSEY

DATED: FEBRUARY 20, 2014

The Assembly Telecommunications and Utilities Committee reports favorably and with committee amendments Assembly Bill No. 2218.

As amended and reported, this bill designates the New Jersey Big Data Alliance as the State's advanced cyberinfrastructure consortium.

Under the bill, the purpose of the consortium is to encourage State government, academia, and industry to address, in a strategic and coordinated manner, the significant and immediate challenges posed by the proliferation of big data sources and the resultant deluge of digital data. Major initiatives are to include, but not be limited to: (1) encouraging the creation of joint education programs, including the establishment of a common curriculum for data sciences and the creation of coordinated certificate, workforce training, and outreach programs; (2) promoting inter-university research collaborations; (3) catalyzing interaction with national and international data consortiums, such as the National Consortium for Data Science; (4) organizing events that promote big data education and collaboration across government, academia, and industry; (5) collaborating with the Rutgers Discovery Informatics Institute and the Office of Information Technology to develop an advanced cyberinfrastructure plan for the State; and (6) collaborating with the Rutgers Discovery Informatics Institute on the development of a shared data cloud that integrates data infrastructure, hosted data, and data analytics.

Under the bill, the New Jersey Big Data Alliance is to consist of the following members: Rutgers, the State University; Princeton University; New Jersey Institute of Technology; Rowan University; the Richard Stockton College of New Jersey; Kean University; Montclair State University; and the Stevens Institute of Technology. The bill provides that the New Jersey Big Data Alliance is to determine the appropriate size of its membership and admit future members as the alliance deems appropriate.

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As amended and reported, this bill is identical to Senate Bill No. 582 (1R) of 2014-2015.

COMMITTEE AMENDMENTS:

The committee amended the bill to add Montclair State University to the membership of the New Jersey Big Data Alliance. The amendments also make a grammatical correction.

STATEMENT TO
[First Reprint]
ASSEMBLY, No. 2218

with Assembly Floor Amendments
(Proposed by Assemblyman CHIVUKULA)

ADOPTED: MARCH 27, 2014

These Assembly floor amendments remove the Rutgers Discovery Informatics Institute from the collaborative development of a shared data cloud and clarify that the major initiatives of the New Jersey Big Data Alliance may include those specified in the bill. As introduced, the New Jersey Big Data Alliance was required to include those initiatives.