[Second Reprint]

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)
Senator RAYMOND J. LESNIAK
District 20 (Union)
Assemblyman UPENDRA J. CHIVUKULA
District 17 (Middlesex and Somerset)
Assemblyman RAJ MUKHERJI
District 33 (Hudson)
Assemblywoman SHAVONDA E. SUMTER
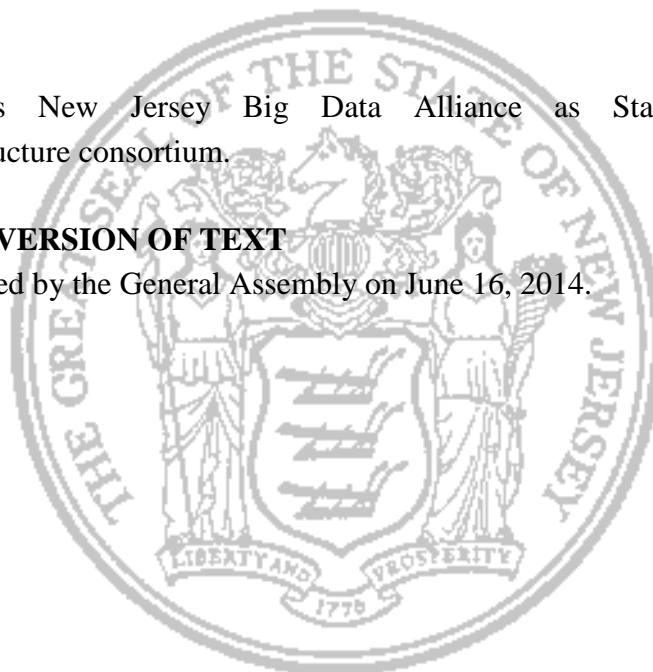**District 35 (Bergen and Passaic)**

Co-Sponsored by:
Senator Gordon

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

CURRENT VERSION OF TEXT
   As amended by the General Assembly on June 16, 2014.

(Sponsorship Updated As Of: 7/1/2014)

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**]** <u>may</u>**²** 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 <u>developing</u>**²** 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 **¹**<u>Montclair State University;</u>**¹** 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
40 require new forms of processing to enable enhanced decision
41 making, insight discovery, and process optimization.
42   The term "cyberinfrastructure" includes, but is not limited to,
43 data networks, computational facilities, computing resources, large

1   data sets, specialized software applications, information technology
2   usage improvements, and the human expertise necessary to develop
3   and manage these resources.
4
5   2.   This act shall take effect immediately.