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STATE OF NEW JERSEY

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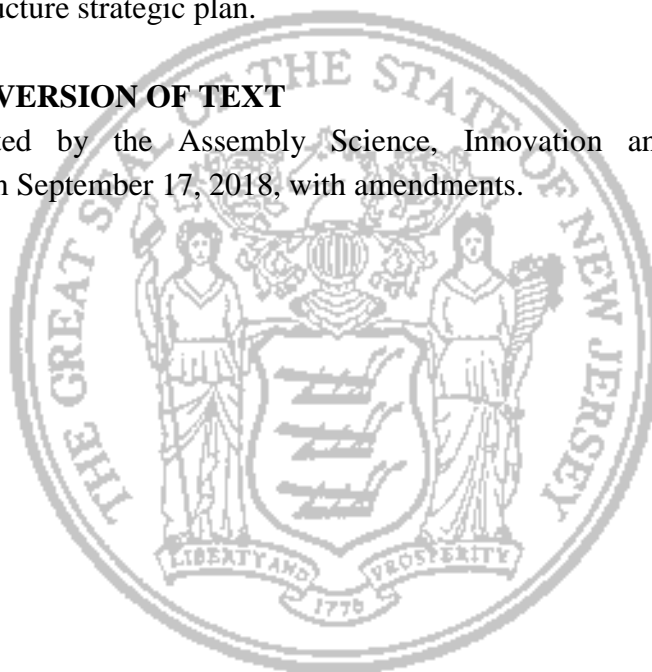
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Assemblyman Calabrese

SYNOPSIS
  Directs Rutgers Discovery Informatics Institute, Office of Information Technology, and New Jersey Big Data Alliance to develop advanced cyberinfrastructure strategic plan.

CURRENT VERSION OF TEXT
  As reported by the Assembly Science, Innovation and Technology Committee on September 17, 2018, with amendments.

(Sponsorship Updated As Of: 5/25/2018)

1   AN ACT directing the Rutgers Discovery Informatics Institute,
2   Office of Information Technology, and the New Jersey Big Data
3   Alliance to develop an advanced cyberinfrastructure strategic
4   plan**[,]** and supplementing Title 52 of the Revised Statutes
5   **[and making an appropriation]**.

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

10   1. a. The Rutgers Discovery Informatics Institute, Office of
11   Information Technology, and the New Jersey Big Data Alliance
12   shall coordinate to establish an advanced cyberinfrastructure
13   strategic plan for the State, which shall include, but not be limited
14   to: (1) assessing the State's cyberinfrastructure, public and
15   privately-owned, including, high performance computing, data
16   storage systems, advanced instrumentation, data center facilities,
17   visualization environments, the human expertise necessary to
18   operate the cyberinfrastructure, and the software and advanced
19   networks that link these resources together; (2) creating a roadmap
20   for implementing advanced cyberinfrastructure improvements
21   throughout the State, which shall include, but not be limited to the
22   development of a shared data cloud that integrates data
23   infrastructure, hosted data and data analytics, and the development
24   of a high speed network infrastructure. The shared data cloud shall
25   host an open data repository to address big data challenges and
26   catalyze collaborations between academia, industry, and
27   government; (3) recommending implementation strategies and
28   policies for improving the State's cyberinfrastructure to promote
29   economic development in this State; (4) identifying the benefits and
30   the essential applications of cyberinfrastructure; (5) recommending
31   workforce development strategies to ensure that the necessary
32   human expertise is in place; and (6) identifying the means of using
33   advanced cyberinfrastructure to drive economic development and
34   facilitate the creation of public-private partnerships.
35   b. The Rutgers Discovery Informatics Institute, Office of
36   Information Technology, and the New Jersey Big Data Alliance
37   shall submit the advanced cyberinfrastructure strategic plan to the
38   Governor, pursuant to section 2 of P.L.1991, c.164 (C.52:14-19.1),
39   and to the Legislature no later than one year following the effective
40   date of P.L. , c. (C.) (pending before the Legislature as this
41   bill).
42   c. As used in this section:
43   "Big data" means high volume information assets, high velocity
44   information assets, high variety information assets, or all three, that

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 such resources.
8   "New Jersey Big Data Alliance" means a consortium consisting
9 of Rutgers, the State University, Princeton University, New Jersey
10 Institute of Technology, Rowan University Stockton University,
11 Kean University, Montclair State University, and the Stevens
12 Institute of Technology for the purpose of encouraging State
13 government, academia, and industry to address, in a strategic and
14 coordinated manner, the significant and immediate challenges posed
15 by the proliferation of big data sources and the resultant deluge of
16 digital data.
17
18   [1][2. There shall be appropriated from the General Fund to the
19 Rutgers Discovery Informatics Institute $150,000 for the fiscal year
20 commencing July 1, 2017 to carry out the purposes of section 1 of
21 P.L.   , c.   (C.   ) (pending before the Legislature as this bill).][1]
22
23   [1][3.] 2.[1]   This act shall take effect immediately.