

7676

I N S E N A T E

April 30, 2010

Introduced by Sen. STACHOWSKI -- read twice and ordered printed, and
when printed to be committed to the Committee on Commerce, Economic
Development and Small Business

AN ACT to amend the public authorities law, in relation to the high
performance computing program

THE PEOPLE OF THE STATE OF NEW YORK, REPRESENTED IN SENATE AND ASSEM-
BLY, DO ENACT AS FOLLOWS:

- 1 Section 1. The public authorities law is amended by adding a new
2 section 3154-a to read as follows:
3 S 3154-A. HIGH PERFORMANCE COMPUTING PROGRAM. 1. THE HIGH PERFORMANCE
4 COMPUTING PROGRAM IS HEREBY CREATED WITHIN THE FOUNDATION FOR THE
5 PURPOSES OF SELECTING AND FUNDING PROJECTS THAT CONNECT RESEARCHERS AND
6 BUSINESSES WITH NEW YORK STATE'S HIGH PERFORMANCE COMPUTING RESOURCES.
7 2. FUNDS APPROPRIATED FOR THIS PROGRAM SHALL BE MADE AVAILABLE BY THE
8 FOUNDATION PURSUANT TO A REQUEST FOR PROPOSAL PROCESS TO NEW YORK STATE
9 ACADEMIC RESEARCH INSTITUTIONS OR A PARTNERSHIP OF NEW YORK STATE
10 ACADEMIC RESEARCH INSTITUTIONS.
11 (A) APPLICANTS MUST INCLUDE IN THEIR PROPOSAL:
12 (I) A BUSINESS PLAN FOR UTILIZING THE CAPABILITIES OF THE HIGH
13 PERFORMANCE COMPUTING FACILITIES, KNOWLEDGE, AND EXPERTISE. THE PLAN
14 SHALL INCLUDE A DESCRIPTION OF THE GOALS TO BE ACHIEVED, PROPOSED ORGAN-
15 IZATION, PLANNED OPERATIONS, AND NECESSARY RESOURCES. IF A COLLABORATION
16 IS TO BE FORMED, A LISTING OF ALL PARTICIPANTS SHALL BE PROVIDED;
17 (II) A DESCRIPTION OF HOW THE HIGH PERFORMANCE COMPUTING PROGRAM WILL
18 CONTRIBUTE TOWARD FURTHER RESEARCH AND ECONOMIC DEVELOPMENT OPPORTU-
19 NITIES IN NEW YORK STATE, ENCOURAGE RESEARCH COLLABORATION AND INNO-
20 VATION WITH INDUSTRY, PROVIDE ACCESS TO HIGH PERFORMANCE COMPUTING
21 ASSETS BY SMALL BUSINESSES, BETTER LEVERAGE FUNDS FROM OTHER GOVERNMENT,
22 PRIVATE, AND NON-PROFIT SECTORS, PROMOTE JOB CREATION AND WORKFORCE
23 DEVELOPMENT, AND INCREASE COMPETITIVENESS OF NEW YORK STATE COMPANIES;
24 (III) ANY PROVISIONS FOR USING ADVISORY OR MANAGEMENT COMMITTEES TO
25 GUIDE THE EFFORTS OF THE COLLABORATION;
26 (IV) STAFFING, IMPLEMENTATION, AND PROGRESS MONITORING PLANS;

EXPLANATION--Matter in ITALICS (underscored) is new; matter in brackets
[] is old law to be omitted.

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1 (V) PERFORMANCE METRICS, AND OTHER PROPOSED METRICS FOR EVALUATION OF
2 ECONOMIC IMPACT; AND

3 (VI) DETAILED TIMELINE FOR IMPLEMENTATION.

4 (B) THE FOUNDATION SHALL MAKE AWARDS TO NEW YORK STATE ACADEMIC
5 RESEARCH INSTITUTIONS PROVIDED, HOWEVER, THAT THE TOTAL AMOUNT OF ALL
6 SUCH AWARDS SHALL NOT EXCEED THE AMOUNT APPROPRIATED FOR THIS PURPOSE.

7 3. HIGH PERFORMANCE COMPUTING PROGRAM FUNDS SHALL BE USED FOR THE
8 FOLLOWING PURPOSES:

9 (A) APPLICATION SUPPORT;

10 (B) SOFTWARE DEVELOPMENT;

11 (C) EDUCATION, OUTREACH, AND TRAINING;

12 (D) COMPUTATIONAL SCIENTISTS, DOMAIN SCIENTISTS, SOFTWARE ENGINEERS,
13 AND OTHER APPROPRIATE PERSONNEL;

14 (E) UTILIZATION OF NECESSARY COMPUTER EQUIPMENT AND SOFTWARE RESOURCES
15 AT ACADEMIC RESEARCH INSTITUTIONS HOSTING HIGH PERFORMANCE COMPUTING
16 SERVICES; AND

17 (F) OTHER COSTS AS DETERMINED BY THE FOUNDATION'S BOARD.

18 4. NO LATER THAN AUGUST FIRST, TWO THOUSAND ELEVEN, AND EVERY THREE
19 YEARS THEREAFTER, THE FOUNDATION SHALL ISSUE A REQUEST FOR PROPOSALS FOR
20 THE HIGH PERFORMANCE COMPUTING PROGRAM. AWARDS SHALL BE MADE BY THE
21 FOUNDATION WITHIN NINETY DAYS FOLLOWING THE ISSUANCE OF THE REQUEST FOR
22 PROPOSALS.

23 5. EACH RECIPIENT OF FUNDS FROM THE HIGH PERFORMANCE COMPUTING PROGRAM
24 SHALL REPORT, ON OR BEFORE DECEMBER FIRST, TWO THOUSAND TWELVE, AND
25 ANNUALLY THEREAFTER TO THE FOUNDATION. SUCH REPORT SHALL INCLUDE:

26 (A) THE NAME OF EACH GRANT RECIPIENT AND THE AMOUNT AWARDED;

27 (B) PARTICIPANTS IN ANY COLLABORATION;

28 (C) A DESCRIPTION OF THE INVESTMENTS MADE BY THE RECIPIENT AND COLLA-
29 BORATORS TO DATE AND PROGRESS OF ALL PROJECTS. SUCH INFORMATION SHALL
30 INCLUDE HOW THE HIGH PERFORMANCE COMPUTING PROGRAM ENCOURAGES RESEARCH
31 AND ECONOMIC DEVELOPMENT IN NEW YORK STATE, ASSISTS RESEARCH COLLAB-
32 ORATION AND INNOVATION, PROVIDES ACCESS TO HIGH PERFORMANCE COMPUTING
33 ASSETS BY SMALL BUSINESSES, PROMOTES WORKFORCE DEVELOPMENT, BETTER
34 LEVERAGES STATE FUNDS, AND INCREASES THE COMPETITIVENESS OF NEW YORK
35 COMPANIES;

36 (D) INFORMATION ON THE PROJECTED ECONOMIC IMPACT, INCLUDING BUT NOT
37 LIMITED TO JOB CREATION, AND NEW REVENUE SOURCES FROM NON-STATE FUNDING;
38 AND

39 (E) ANY SUCH OTHER INFORMATION AS THE FOUNDATION DEEMS NECESSARY.

40 THE FOUNDATION SHALL FORWARD TO THE GOVERNOR AND THE LEGISLATURE THE
41 INFORMATION SUBMITTED PURSUANT TO THIS SECTION AND AN EVALUATION OF THE
42 PERFORMANCE OF THE HIGH PERFORMANCE COMPUTING PROGRAM ON OR BEFORE
43 FEBRUARY FIRST, TWO THOUSAND THIRTEEN, AND ANNUALLY THEREAFTER.

44 S 2. This act shall take effect immediately.