S T A T E O F N E W Y O R K

3433

2011-2012 Regular Sessions

I N S E N A T E

February 22, 2011

Introduced by Sen. PARKER -- 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 ASSEMBLY, DO ENACT AS FOLLOWS:

Section 1. The public authorities law is amended by adding a new section 3154-a to read as follows:

S 3154-A. HIGH PERFORMANCE COMPUTING PROGRAM. 1. THE HIGH PERFORMANCE COMPUTING PROGRAM IS HEREBY CREATED WITHIN THE FOUNDATION FOR THE PURPOSES OF SELECTING AND FUNDING PROJECTS THAT CONNECT RESEARCHERS AND BUSINESSES WITH NEW YORK STATE'S HIGH PERFORMANCE COMPUTING RESOURCES.

2. FUNDS APPROPRIATED FOR THIS PROGRAM SHALL BE MADE AVAILABLE BY THE FOUNDATION PURSUANT TO A REQUEST FOR PROPOSAL PROCESS TO NEW YORK STATE ACADEMIC RESEARCH INSTITUTIONS OR A PARTNERSHIP OF NEW YORK STATE ACADEMIC RESEARCH INSTITUTIONS.

(A) APPLICANTS MUST INCLUDE IN THEIR PROPOSAL:

(I) A BUSINESS PLAN FOR UTILIZING THE CAPABILITIES OF THE HIGH PERFORMANCE COMPUTING FACILITIES, KNOWLEDGE, AND EXPERTISE. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE GOALS TO BE ACHIEVED, PROPOSED ORGANIZATION, PLANNED OPERATIONS, AND NECESSARY RESOURCES. IF A COLLABORATION IS TO BE FORMED, A LISTING OF ALL PARTICIPANTS SHALL BE PROVIDED;

(II) A DESCRIPTION OF HOW THE HIGH PERFORMANCE COMPUTING PROGRAM WILL CONTRIBUTE TOWARD FURTHER RESEARCH AND ECONOMIC DEVELOPMENT OPPORTUNITIES IN NEW YORK STATE, ENCOURAGE RESEARCH COLLABORATION AND INNOVATION WITH INDUSTRY, PROVIDE ACCESS TO HIGH PERFORMANCE COMPUTING ASSETS BY SMALL BUSINESSES, BETTER LEVERAGE FUNDS FROM OTHER GOVERNMENT, PRIVATE, AND NON-PROFIT SECTORS, PROMOTE JOB CREATION AND WORKFORCE DEVELOPMENT, AND INCREASE COMPETITIVENESS OF NEW YORK STATE COMPANIES;

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

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(III) ANY PROVISIONS FOR USING ADVISORY OR MANAGEMENT COMMITTEES TO GUIDE THE EFFORTS OF THE COLLABORATION;
(IV) STAFFING, IMPLEMENTATION, AND PROGRESS MONITORING PLANS;
(V) PERFORMANCE METRICS, AND OTHER PROPOSED METRICS FOR EVALUATION OF ECONOMIC IMPACT; AND
(VI) DETAILED TIMELINE FOR IMPLEMENTATION.
(B) THE FOUNDATION SHALL MAKE AWARDS TO NEW YORK STATE ACADEMIC RESEARCH INSTITUTIONS PROVIDED, HOWEVER, THAT THE TOTAL AMOUNT OF ALL SUCH AWARDS SHALL NOT EXCEED THE AMOUNT APPROPRIATED FOR THIS PURPOSE.
3. HIGH PERFORMANCE COMPUTING PROGRAM FUNDS SHALL BE USED FOR THE FOLLOWING PURPOSES:
(A) APPLICATION SUPPORT;
(B) SOFTWARE DEVELOPMENT;
(C) EDUCATION, OUTREACH, AND TRAINING;
(D) COMPUTATIONAL SCIENTISTS, DOMAIN SCIENTISTS, SOFTWARE ENGINEERS, AND OTHER APPROPRIATE PERSONNEL;
(E) UTILIZATION OF NECESSARY COMPUTER EQUIPMENT AND SOFTWARE RESOURCES AT ACADEMIC RESEARCH INSTITUTIONS HOSTING HIGH PERFORMANCE COMPUTING SERVICES; AND
(F) OTHER COSTS AS DETERMINED BY THE FOUNDATION'S BOARD.
4. NO LATER THAN AUGUST FIRST, TWO THOUSAND TWELVE, AND EVERY THREE YEARS THEREAFTER, THE FOUNDATION SHALL ISSUE A REQUEST FOR PROPOSALS FOR THE HIGH PERFORMANCE COMPUTING PROGRAM. AWARDS SHALL BE MADE BY THE FOUNDATION WITHIN NINETY DAYS FOLLOWING THE ISSUANCE OF THE REQUEST FOR PROPOSALS.
5. EACH RECIPIENT OF FUNDS FROM THE HIGH PERFORMANCE COMPUTING PROGRAM SHALL REPORT, ON OR BEFORE DECEMBER FIRST, TWO THOUSAND THIRTEEN, AND ANNUALLY THEREAFTER TO THE FOUNDATION. SUCH REPORT SHALL INCLUDE:
(A) THE NAME OF EACH GRANT RECIPIENT AND THE AMOUNT AWARDED;
(B) PARTICIPANTS IN ANY COLLABORATION;
(C) A DESCRIPTION OF THE INVESTMENTS MADE BY THE RECIPIENT AND COLLABORATORS TO DATE AND PROGRESS OF ALL PROJECTS. SUCH INFORMATION SHALL INCLUDE HOW THE HIGH PERFORMANCE COMPUTING PROGRAM ENCOURAGES RESEARCH AND ECONOMIC DEVELOPMENT IN NEW YORK STATE, ASSISTS RESEARCH COLLABORATION AND INNOVATION, PROVIDES ACCESS TO HIGH PERFORMANCE COMPUTING ASSETS BY SMALL BUSINESSES, PROMOTES WORKFORCE DEVELOPMENT, BETTER LEVERAGES STATE FUNDS, AND INCREASES THE COMPETITIVENESS OF NEW YORK COMPANIES;
(D) INFORMATION ON THE PROJECTED ECONOMIC IMPACT, INCLUDING BUT NOT LIMITED TO JOB CREATION, AND NEW REVENUE SOURCES FROM NON-STATE FUNDING; AND
(E) ANY SUCH OTHER INFORMATION AS THE FOUNDATION DEEMS NECESSARY.
THE FOUNDATION SHALL FORWARD TO THE GOVERNOR AND THE LEGISLATURE THE INFORMATION SUBMITTED PURSUANT TO THIS SECTION AND AN EVALUATION OF THE PERFORMANCE OF THE HIGH PERFORMANCE COMPUTING PROGRAM ON OR BEFORE FEBRUARY FIRST, TWO THOUSAND FOURTEEN, AND ANNUALLY THEREAFTER.
S 2. This act shall take effect immediately.