

**House Committee on Science and Technology  
Markup  
April 28, 2010**

**AMENDMENT ROSTER**

**H.R. 5116 the America COMPETES Reauthorization Act of 2010 – Amendment in  
the Nature of a Substitute**

<b>No.</b>	<b>Sponsor</b>	<b>Description</b>	<b>Results</b>
1	Mr. Gordon (Manager's Amendment)	Makes several technical and clarifying changes to the Amendment in the Nature of a Substitute.  Amends authorizations of appropriations in Sections 212, 402, and 611 of the Amendment in the Nature of a Substitute.	Passed by voice vote
2	Broun (172)	Second degree amendment, amends the authorizations of appropriations levels contained in the Manager's Amendment.	Failed by roll call vote, 11-24-1
3	Mr. Diaz-Balart (023)	Second degree amendment, amends the authorizations of appropriations levels contained in the Manager's Amendment.	Failed by roll call vote, 11-25-1
4	Mr. Diaz-Balart (022)	Second degree amendment, amends the Manager's Amendment to strike all authorizations of appropriations after fiscal year 2013.	Failed by voice vote
5	Mr. Rohrabacher (038)	Second degree amendment, amends the Manager's Amendment to strike all authorizations of appropriations for ARPA-E after fiscal year 2013.	Failed by voice vote
6	Mr. Rohrabacher (033)	Second degree amendment, amends the Manager's Amendment to strike all authorizations of appropriations for ARPA-E after fiscal year 2015.	Passed by voice vote
	Biggert (102) 2 <sup>nd</sup> degree amendment to Manager's Amendment	Reduces authorization levels for ARPA-E	Failed by voice vote

7	Ms. Johnson (114)	<p>Inserts new Section 124 (“Fulfilling the Potential of Women in Academic Science and Engineering”).</p> <p>Inserts new Section 216 (“Collection of Data on Demographics of Faculty”).</p>	Passed by voice vote
8	Ms. Dahlkemper (033)	Amends Section 223 of the Amendment in the Nature of a Substitute (“National Science Foundation Manufacturing Research”) by inserting a new subsection (b) (“Manufacturing Education”) to require the NSF to award grants to strengthen technical education and training in advanced manufacturing, including through the NSF’s Advanced Technological Education (ATE) program.	Passed by voice vote
9	Mr. Broun (028)	Strikes Section 228 (“Prize Awards”); Section 408 (“Bioscience research program”); Section 502 (“Federal loan guarantees for innovative technologies in manufacturing”); Section 503 (“Regional Innovation Program”); subtitle C of title VI (“Energy Innovation Hubs”); and in Section 406 (“Manufacturing Extension Partnership”) strikes subsections (b) (“Innovative Services Initiative”) and (c) (“Reports”).	Failed by roll call vote 9-25
10	Mr. Inglis (017)	Amends Section 228 (“Prize Awards”) to prohibit the use of Federal funds to engage in the research for which the prize is being awarded.	Passed by voice vote
11	Mr. Hall (012)	Inserts a new Sec. 229 (“Repeal of Academic Research Facilities Modernization Program”).	Failed by voice vote
12	Mr. Neugebauer (008)	Amends Section 243 (“Robert Noyce teacher scholarships program”) to strike amendments to Section 10A of the National Science Foundation Authorization Act of 2002.	Withdrawn
13	Mr. Neugebauer (013)	Amends Section 243 (“Robert Noyce teacher scholarships program”) to prohibit the use of funds awarded under the section “by an institution of higher education to engage in capacity building activities.”	Withdrawn
14	Mr. Neugebauer (026)	Amends Section 243 (“Robert Noyce teacher scholarships program”) to require that the matching requirement be “provided in cash,” rather than “cash or in-kind.”	Passed by voice vote
15	Mr. Ehlers	Amends Section 248 (“Transforming	Passed by

	(039)	Undergraduate Education in STEM”) by adding a provision stating that uses of funds under the section may include “support for initiatives that advance integration of global challenges such as sustainability into disciplinary and interdisciplinary STEM education.”	voice vote
16	Mr. Wilson (027)	Amends Section 251 (“Grand Challenges in Education Research”) by specifying that “students in rural schools” should be included in the “diverse learning populations” to be considered in developing research grand challenges.	Passed by voice vote
17	Mr. Bartlett (011)	Amends Section 253 (“Laboratory Science Pilot Program”) by adding a provision repealing Subparagraphs (B), (C), (D), (E), and (F) of Section 8(8) of the National Science Foundation Act of 2002 – the “Partnerships for Access to Laboratory Science” program.	Withdrawn
18	Mr. Wu (041)	Inserts a new Section 254 (“STEM Industry Internship Programs”) authorizing NSF to award grants for the purpose of providing integrated internship experiences for undergraduate students that “connect private sector internship experiences with the students’ STEM coursework.”	Passed by voice vote
19	Mr. Bartlett (023)	Second degree amendment to Mr. Wu’s amendment (041). Adds a provision requiring a “50 percent non-Federal cost-share from partnerships established or expanded” under the Section. Adds a provision restricting the use of Federal funds provided under the section under certain circumstances.	Passed by voice vote
20	Mr. Luján (049)	Inserts a new Section 254 (“Tribal Colleges and Universities Program”) requiring the Director of NSF to continue to support the Tribal Colleges and Universities program. Specifies certain activities that grants awarded under the program shall support, and states that funding may be used for instrumentation.	Passed by voice vote
21	Mr. Diaz-Balart (021)	Amends the Amendment in the Nature of a Substitute by striking all authorizations of appropriations for fiscal years after fiscal year 2013 for the following sections: 303(c) (“Energy Applied Science Talent Expansion	Withdrawn

		<b>Program For Institutions of Higher Education”); Section 502 (“Federal Loan Guarantees For Innovative Technologies In Manufacturing”); Section 503 (“Regional Innovation Program”); and Section 632 (“Energy Innovation Hubs”).</b>	
<b>22</b>	<b>Mr. McCaul (034)</b>	<b>Inserts new Section 304 (“Green Energy Education”) authorizing the Secretary of DOE to provide funds to the NSF for the Integrative Graduate Education and Research Traineeship program. Authorizes the Secretary to contribute funds to curriculum development activities at the NSF.</b>	<b>Passed by voice vote</b>
<b>23</b>	<b>Mr. Hall (278)</b>	<b>Amends Section 404 (“Reorganization of NIST Laboratories”) with respect to the mission of the Engineering Laboratory by striking “promotion of green infrastructure, and energy efficiency measurements and standards” and replacing it with “and promotion of standards adoption”.</b>	<b>Passed by voice vote</b>
<b>24</b>	<b>Mr. Broun (279)</b>	<b>Strikes Title V (“Innovation”)</b>	<b>Failed by roll call vote 8-25</b>
<b>25</b>	<b>Mr. Ehlers (284)</b>	<b>Amends Section 502 (“Federal Loan Guarantees For Innovative Technologies In Manufacturing”) by adding to the list of items that the Secretary of Commerce must address in final regulations for the manufacturing loan guarantee program criteria that the Secretary shall use to determine “whether a borrower demonstrates that a market exists for the innovative technology product, or the integral component of such product, to be manufactured, as evidenced by written statements of interest from potential purchasers.”</b>	<b>Passed by voice vote</b>
<b>26</b>	<b>Mr. Bartlett (287)</b>	<b>Amends Section 502 (“Federal Loan Guarantees For Innovative Technologies In Manufacturing”) to require that the Secretary of Commerce promulgate regulations and policies to carry out the manufacturing loan guarantee program in accordance with OMB Circular A-129.</b>	<b>Passed by voice vote</b>
<b>27</b>	<b>Mr. Bilbray (290)</b>	<b>Amends Section 502 (“Federal Loan Guarantees For Innovative Technologies In Manufacturing”) to state that it is the Sense of Congress that no loan guarantee shall be</b>	<b>Passed by voice vote</b>

		made under the manufacturing loan guarantee program unless the borrower agrees to use a federally-approved electronic employment eligibility verification system to verify employment eligibility.	
28	Mr. Lipinski (062)	Amends Section 603 (“Mission of the Office of Science”) to require the Director to develop a plan to increase the percentage of domestically sourced hardware for projects of Office of Science.	Passed by voice vote
29	Ms. Biggert (101)	Amends Section 603 (“Mission of the Office of Science”) to require that, as part of the President’s annual budget request, the Secretary include a detailed summary of the degree to which current research activities are competitive and merit-reviewed.	Passed by voice vote
30	Mr. Inglis (025)	Amends Section 605 (“Biological and Environmental Research Program”) to include hydrogen among the targeted research, development, and demonstration biological systems science activities.	Passed by voice vote
31	Mr. Smith (005)	Amends Section 605 (“Biological and Environmental Research Program”) to include requirements for a research plan for Biological System Science activities.	Passed by voice vote
32	Mr. Olson (003)	Strikes Subsection 605(c) (“Climate and Environmental Sciences Activities”).	Failed by voice vote
33	Mr. Bilbray (040)	Amends Section 607 (“Fusion Energy Research Program”) to require that the Director “carry out activities to develop technologies necessary to enable the reliable, sustainable, safe, and economically competitive operation of a commercial fusion power plant.”	Passed by voice vote
34	Mr. Neugebauer (068)	Amends section 622 (“ARPA-E Amendments”) to make it a priority for the ARPA-E Director to “ensure that, of the projects funded under this section, those with a high potential to result in technology advances that enable reductions in imports of energy from foreign sources receive the highest priority consideration from the Director.”	Failed by voice vote
35	Mr. Smith (015)	Amends section 622 (“ARPA-E Amendments”) to require applicants to disclose prior efforts and investments in proposed projects, and requires the Director to justify funding	Passed by voice vote

		<b>projects with prior industry support.</b>	
<b>36</b>	<b>Mr. Olson (006)</b>	<b>Amends section 622(4), in the proposed subsection (f), by striking “shall” and inserting “may”.</b>	<b>Withdrawn</b>
<b>37</b>	<b>Mr. Bartlett (021)</b>	<b>Amends section 622 (“ARPA-E Amendments”) subsection (k) “Events”, by directing that “Funding for the activities described in paragraph (1) shall be provided as part of the technology transfer and outreach activities authorized under subsection (o)(4)(B).”</b>	<b>Passed by voice vote</b>
<b>38</b>	<b>Ms. Biggert (018)</b>	<b>Amends section 632 (“Energy Innovation Hubs”) by striking the paragraph entitled “Test Bed and Renovation Exception.”</b>	<b>Withdrawn</b>
<b>39</b>	<b>Ms. Johnson (113)</b>	<b>Amends section 632 (“Energy Innovation Hubs”) by adding a new subsection which directs the Secretary to give priority consideration to applications in which 1 or more of the institutions under subsection (b)(1)(A) are 1890 Land Grant Institutions, Predominantly Black Institutions, Tribal Colleges or Universities, or Hispanic Serving Institutions.</b>	<b>Passed by voice vote</b>
<b>40</b>	<b>Mr. Hall (022)</b>	<b>Amends section 632 (“Energy Innovation Hubs”) by adding to the list of definitions of Advanced Energy Technologies, innovative technology “that enhances the energy independence and security of the United States by enabling improved or expanded supply and production of domestic energy resources, including coal, oil, and natural gas.”</b>	<b>Passed by voice vote</b>
<b>41</b>	<b>Mr. Peters (033)</b>	<b>Amends section 632 (“Energy Innovation Hubs”) by adding to the list of definitions of Advanced Energy Technologies, innovative technology “that enables advanced vehicles, vehicle components, and related technologies that result in significant energy savings.”</b>	<b>Passed by voice vote</b>
<b>42</b>	<b>Ms. Biggert (100)</b>	<b>Amends section 632 (“Energy Innovation Hubs”) by inserting “including the Department of Energy Federally Funded Research and Development Centers” after “Federal entity.”</b>	<b>Passed by voice vote</b>
<b>43</b>	<b>Mr. Luján (048)</b>	<b>Amends Title VI (“Department of Energy”), by adding a new subtitle (Cooperative Research and Development Fund) to require the Secretary to “make funds available to Department of Energy National Laboratories</b>	<b>Passed by voice vote</b>

		for the Federal share of cooperative research and development agreements,” and authorizes such sums for that purpose.	
	<b>Biggert (103) 2<sup>nd</sup> degree amendment to the Lujan amendment</b>	<b>No money for this program can come from Office of Science funds</b>	<b>Passed by voice vote</b>
<b>44</b>	<b>Mr. Bartlett (022)</b>	<b>Adds a new Title to the bill expressing a sense of Congress that, “among the programs and activities authorized in this Act, those that correspond to the recommendations of the National Academy of Sciences’ 2005 report entitled ‘Rising Above the Gathering Storm’ remain critical to maintaining long-term United States economic competitiveness, and accordingly shall receive funding priority.”</b>	<b>Passed by voice vote</b>
<b>45</b>	<b>Mr. Broun (023)</b>	<b>Adds a new Title to the end of the bill which states that, “None of the funds authorized to be appropriated pursuant to the amendments made by this title may be used to lobby any person or entity.”</b>	<b>Withdrawn</b>
<b>46</b>	<b>Mr. Hall (022)</b>	<b>Adds a new Title to the end of the bill which states that “institutions of higher education chartered to serve large numbers of student with disabilities,” and, “those with programs serving or those serving disabled veterans, shall receive special consideration and have a designation consistent with the designation for other institutions that serve populations underrepresented in STEM...”</b>	<b>Passed by voice vote</b>
<b>47</b>	<b>Mr. Hall (024)</b>	<b>Adds a new Title to the end of the bill which states that, “In awarding scholarships and fellowships under this Act, an institution of higher education shall give preference to applications from veterans and service members...”</b>	<b>Passed by voice vote</b>
<b>48</b>	<b>Mr. Neugebauer (069)</b>	<b>Adds a new Title to the end of the bill which states that no funds authorized to be appropriated in sections 212, 303, 402, 502, 503, 611, 622, and 632 “are authorized to be appropriated for activities under those sections in amounts that exceed authorizations for such purposes for fiscal</b>	<b>Failed by roll call vote 8-23</b>

		year 2010 before the end of the first fiscal year for which the Director of the Congressional Budget Office certifies to the Congress in writing that the Federal Government does not have a budget deficit.”	
49	Mr. Neugebauer (070)	Adds a new Title to the end of the bill which changes the effective date of the Act to the “first January 1 occurring after the date of enactment of this Act and after the conclusion of a fiscal year in which the Federal Government did not have a budget deficit.”	Not offered
50	Mr. Rohrabacher (034)	Adds a new Title to the end of the bill which prohibits the use of funds authorized in the Act for projects unless: “(1) all persons receiving funds are United States citizens; and, (2) all entities receiving funds are headquartered in the United States.”	Failed by voice vote
51	Mr. Rohrabacher (035)	Adds a new Title to the end of the bill which prohibits the use of funds authorized in the Act for “research and development unless all entities involved in such research and development agree not to use any developed and related technologies for manufacturing outside of the United States.”	Failed by voice vote
52	Mr. Rohrabacher (036)	Adds a new Title to the end of the bill which prohibits funding authorized in the Act being “provided to any person or entity found guilty of infringing on the patent rights of any other person or entity.”	Withdrawn
53	Mr. Rohrabacher (037)	Adds a new Title to the end of the bill which states that, “Intellectual property rights from technologies developed using funds authorized in this Act shall be apportioned to the granting agency in direct proportion of the funds granted to the total project cost.”	Failed by voice vote