

RECOGNIZING OUTSTANDING
WOMEN SCIENTISTS, TECH-
NOLOGISTS, ENGINEERS, AND
MATHEMATICIANS ON MOTHER'S
DAY, 2008

Ms. EDDIE BERNICE JOHNSON of Texas. Mr. Speaker, I move to suspend the rules and agree to the resolution (H. Res. 1180) recognizing the efforts and contributions of outstanding women scientists, technologists, engineers, and mathematicians in the United States and around the world on Mother's Day, 2008, as amended.

The Clerk read the title of the resolution.

The text of the resolution is as follows:

H. RES. 1180

Whereas women have been vitally important to the fields of science, technology, engineering, and mathematics and have transformed the world and enhanced and improved the quality of life around the globe;

Whereas the contributions of women are central to progress and to the development of knowledge in many areas, including chemistry, physics, biology, geology, engineering, mathematics, and astronomy, and these contributions boost economic growth, create new jobs, and improve our knowledge and standard of living;

Whereas there is a need to congratulate these women, educate the public about the important role of women in society, and recognize the contributions of women to the scientific, technological, engineering, and mathematical communities;

Whereas it is important to emphasize the extensive variety of careers available in the world of science, technology, engineering, and mathematics and to honor the tremendous women that have contributed and will contribute to the advancement of knowledge in these disciplines;

Whereas in order to ensure our Nation's global competitiveness, our schools must continue to cultivate female scientists, technologists, engineers, and mathematicians from every background and neighborhood in our society to create the innovations of tomorrow that will keep our Nation strong;

Whereas a disproportionately low number of female students are pursuing careers in science, technology, engineering, and mathematics, and it is crucial that we focus attention on increasing the participation of women; and

Whereas there is a need to encourage industry, government, and academia to reach and educate millions of children on the important contributions women have made to science, technology, engineering, and mathematics: Now, therefore, be it

Resolved, That the House of Representatives—

(1) recognizes the important contributions of women to science, technology, engineering, mathematics, and the health of many industries that have created new jobs, boosted economic growth, and improved the Nation's competitiveness and standard of living;

(2) recognizes the need to increase the number of women participating in science, technology, engineering, and mathematics;

(3) supports the role of women in science, technology, engineering, and mathematics; and

(4) encourages the people of the United States to give appropriate recognition to women scientists, technologists, engineers, and mathematicians who have made important contributions to our everyday lives.

The SPEAKER pro tempore. Pursuant to the rule, the gentlewoman from Texas (Ms. EDDIE BERNICE JOHNSON) and the gentleman from Texas (Mr. HALL) each will control 20 minutes.

The Chair recognizes the gentlewoman from Texas.

GENERAL LEAVE

Ms. EDDIE BERNICE JOHNSON of Texas. Mr. Speaker, I ask unanimous consent that all Members may have 5 legislative days to revise and extend their remarks and to include extraneous materials on House Resolution 1180, the resolution now under consideration.

The SPEAKER pro tempore. Is there objection to the request of the gentlewoman from Texas?

There was no objection.

Ms. EDDIE BERNICE JOHNSON of Texas. Mr. Speaker, I yield myself such time as I may consume.

I rise in support of House Resolution 1180, recognizing the efforts and contributions of outstanding women scientists, technologists, engineers, and mathematicians in the United States and around the world.

In its 2007 *Beyond Bias and Barriers* report, the National Academy stated that in order to maintain its scientific and engineering leadership and increasing economic and educational globalization the United States must aggressively pursue the innovative capacity of all of its people, men and women.

While women have made substantial progress in some fields, such as the life sciences, they continue to be significantly underrepresented in other STEM fields such as engineering and computer science. The attrition rate remains higher for women than for men at all steps along the STEM pipeline. In fact, studies have shown that girls as young as middle school age are being turned away from many STEM fields.

There is no evidence that the gender gap is caused by a lack of female talent or potential. In fact, the top three winners in the highly prestigious 2007 Siemens Competition in Math, Science and Technology and the first prize in the 2008 Intel Talent Search all went to young high school women.

We are failing our young girls and women, and neither our colleges and universities nor our industries can afford such a loss of precious human capital in science and engineering. We can't make it with just 50 percent of the Nation's brain power.

I applaud the gentleman from Washington for introducing this resolution. It is fitting to recognize the efforts and contributions of outstanding women scientists and engineers and mathematicians in the United States and around the world, and I ask my colleagues to support House Resolution 1180.

Mr. Speaker, I reserve the balance of my time.

Mr. HALL of Texas. Mr. Speaker, I yield myself such time as I may consume.

According to the National Science Foundation, a recent study of fourth graders showed that 66 percent of the girls and 68 percent of boys reported that they liked science. But something else starts happening in the elementary school. NSF found that by the eighth grade, boys are twice as interested in STEM careers as girls are. The female attrition continues through high school, college, and even the workforce.

Women with STEM higher education degrees are twice as likely to leave a scientific or engineering job as men with comparable STEM degrees. Despite the fact that women earn half of the bachelors degrees in science and engineering, they continue to be significantly underrepresented at the faculty level in almost all the S&E fields, constituting 28 percent in 2003 of doctoral science and engineering faculty in 4-year colleges and universities and only 18 percent of full professors.

The Commission on the Advancement of Women and Minorities in Science, Engineering and Technology Development was established by Congress on October 14, 1988 through legislation developed and sponsored by Congresswoman Connie Morella, Republican from Maryland. The mandate of the Commission is to research and recommend ways to improve the recruitment, the retention, and the representation of women, underrepresented minorities, and persons with disabilities in science, engineering, and technology education and employment.

In addition to the Commission, the NSF Research on Gender in Science and Engineering program has worked since 1993 to broaden the participation of girls and women in science, technology, engineering and mathematics (STEM) education fields.

One of the things research has discovered is that the more positive images you present of women in these fields in school, the more likely girls will want to enter into these fields later on in life.

So the resolution before us today honors the contribution of women in the fields of science, technology, engineering and mathematics, both in the United States and around the world. It also allows us to thank women for the contribution that they have made to these fields, women such as Madelaine Barnothey, the first woman in Hungary to receive a Ph.D. specializing in physics; or Rosalind Franklin, who received her degree in chemistry in 1951 from Cambridge University and was instrumental in putting together a detailed description of DNA; or Sophia Germain, an outstanding mathematician who developed the modern theory of elasticity, without which modern construction would be absolutely impossible.

Women have been pioneers in the field of science, technology, engineering and mathematics for centuries.

□ 1400

We owe it to girls growing up today to recognize these accomplishments,

accomplishments such as those of Maria Telkes, who was a physicist and pioneer in solar energy and designed and built a solar house in the 1930s; or those of Admiral Grace Murray Hopper, who was buried at Arlington Cemetery in January, 1992, and was one of the very first software engineers who helped both the military, private sector, and academia develop the foundations of modern digital computing.

We just can't discuss important women in history without recognizing the outstanding contributions of Marie Curie, a physicist and chemist, who is one of the only people to ever receive two Nobel prizes in different fields and the only woman to have won two Nobel prizes. Her Nobel prizes were awarded for her work on radioactivity and the discovery of the elements of polonium and radium.

I urge my colleagues to join me in support of the resolution before us today.

Mr. Speaker, I yield back the balance of my time.

Ms. EDDIE BERNICE JOHNSON of Texas. Let me thank Mr. HALL for supporting this legislation and thank the gentleman who sponsored it. And I'm very pleased, Mr. Speaker, that he mentioned Ms. Connie Morella, whom I worked with from the time I arrived until she left on this very subject. And I hope that we are gaining more and more support to encourage our young women to stay involved in these STEM programs and recognize our achievers so that they can know that they are great examples.

I urge my colleagues to support this resolution.

Mr. REICHERT. Mr. Speaker, I am the proud sponsor of House Resolution 1180, which recognizes the important contributions of women to science, technology, engineering, mathematics, and the health of many industries that have created new jobs, boosted economic growth, and improved our Nation's competitiveness.

Congress must continue to educate the public about the important role of women in society and recognize the key accomplishments of women in scientific fields. Furthermore, we must encourage more young women to pursue careers in science and technology fields by adequately funding STEM education in our schools.

Much is being done in the Pacific Northwest to achieve these goals. Seattle's Pacific Science Center remains an educational force in our region and continues to inspire students' interest in science. Similarly, the Museum of Flight recognizes the success of female aviation pioneers and helps young women discover career possibilities in the world of aerospace.

I am pleased that the Science and Technology Committee quickly brought this measure to the floor in a bipartisan manner, and I urge all of my colleagues to support it.

Ms. EDDIE BERNICE JOHNSON of Texas. Mr. Speaker, I yield back the balance of my time.

The SPEAKER pro tempore. The question is on the motion offered by the gentlewoman from Texas (Ms.

EDDIE BERNICE JOHNSON) that the House suspend the rules and agree to the resolution, H. Res. 1180, as amended.

The question was taken; and (two-thirds being in the affirmative) the rules were suspended and the resolution, as amended, was agreed to.

The title was amended so as to read: "Resolution recognizing the efforts and contributions of outstanding women scientists, technologists, engineers, and mathematicians in the United States and around the world."

A motion to reconsider was laid on the table.

PUBLIC LAND COMMUNITIES TRANSITION ACT OF 2008

Mr. DEFAZIO. Mr. Speaker, I move to suspend the rules and pass the bill (H.R. 3058) to amend chapter 69 of title 31, United States Code, to provide full payments under such chapter to units of general local government in which entitlement land is located, to provide transitional payments during fiscal years 2008 through 2012 to those States and counties previously entitled to payments under the Secure Rural Schools and Community Self-Determination Act of 2000, and for other purposes, as amended.

The Clerk read the title of the bill.
The text of the bill is as follows:

H.R. 3058

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE AND TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the "Public Land Communities Transition Act of 2008".

(b) TABLE OF CONTENTS.—The table of contents for this Act is as follows:

- Sec. 1. Short title and table of contents.
- Sec. 2. Transitional payments States and counties previously entitled to payments under Secure Rural Schools and Community Self-Determination Act of 2000.
- Sec. 3. Special requirements regarding transition payments to certain States.
- Sec. 4. Conservation of resources fees.
- Sec. 5. Sense of Congress on distribution of secure rural schools transition payments to eligible counties.

SEC. 2. TRANSITIONAL PAYMENTS STATES AND COUNTIES PREVIOUSLY ENTITLED TO PAYMENTS UNDER SECURE RURAL SCHOOLS AND COMMUNITY SELF-DETERMINATION ACT OF 2000.

(a) TRANSITIONAL PAYMENTS.—Chapter 69 of title 31, United States Code, is amended by adding at the end the following new section:

"§ 6908. Secure rural schools transition payments

"(a) DEFINITIONS.—In this section:

"(1) ADJUSTED SHARE.—The term 'adjusted share' means the number equal to the quotient obtained by dividing—

"(A) the number equal to the quotient obtained by dividing—

"(i) the base share for the eligible county; by

"(ii) the income adjustment for the eligible county; by

"(B) the number equal to the sum of the quotients obtained under subparagraph (A) and paragraph (8)(A) for all eligible counties.

"(2) BASE SHARE.—The term 'base share' means the number equal to the average of—

"(A) the quotient obtained by dividing—

"(i) the number of acres of Federal land described in paragraph (7)(A) in each eligible county; by

"(ii) the total number acres of Federal land in all eligible counties in all eligible States; and

"(B) the quotient obtained by dividing—

"(i) the amount equal to the average of the 3 highest 25-percent payments and safety net payments made to each eligible State for each eligible county during the eligibility period; by

"(ii) the amount equal to the sum of the amounts calculated under clause (i) and paragraph (9)(B)(i) for all eligible counties in all eligible States during the eligibility period.

"(3) COUNTY PAYMENT.—The term 'county payment' means the payment for an eligible county calculated under subsection (c).

"(4) ELIGIBLE COUNTY.—The term 'eligible county' means any county that—

"(A) contains Federal land (as defined in paragraph (7)); and

"(B) elects to receive a share of the State payment or the county payment under subsection (f).

"(5) ELIGIBILITY PERIOD.—The term 'eligibility period' means fiscal year 1986 through fiscal year 1999.

"(6) ELIGIBLE STATE.—The term 'eligible State' means a State or territory of the United States that received a 25-percent payment for 1 or more fiscal years of the eligibility period.

"(7) FEDERAL LAND.—The term 'Federal land' means—

"(A) land within the National Forest System, as defined in section 11(a) of the Forest and Rangeland Renewable Resources Planning Act of 1974 (16 U.S.C. 1609(a)) exclusive of the National Grasslands and land utilization projects designated as National Grasslands administered pursuant to the Act of July 22, 1937 (7 U.S.C. 1010-1012); and

"(B) such portions of the reversioned Oregon and California Railroad and reconveyed Coos Bay Wagon Road grant land as are or may hereafter come under the jurisdiction of the Department of the Interior, which have heretofore or may hereafter be classified as timberlands, and power-site land valuable for timber, that shall be managed, except as provided in the former section 3 of the Act of August 28, 1937 (50 Stat. 875; 43 U.S.C. 1181c), for permanent forest production.

"(8) 50-PERCENT ADJUSTED SHARE.—The term '50-percent adjusted share' means the number equal to the quotient obtained by dividing—

"(A) the number equal to the quotient obtained by dividing—

"(i) the 50-percent base share for the eligible county; by

"(ii) the income adjustment for the eligible county; by

"(B) the number equal to the sum of the quotients obtained under subparagraph (A) and paragraph (1)(A) for all eligible counties.

"(9) 50-PERCENT BASE SHARE.—The term '50-percent base share' means the number equal to the average of—

"(A) the quotient obtained by dividing—

"(i) the number of acres of Federal land described in paragraph (7)(B) in each eligible county; by

"(ii) the total number acres of Federal land in all eligible counties in all eligible States; and

"(B) the quotient obtained by dividing—

"(i) the amount equal to the average of the 3 highest 50-percent payments made to each eligible county during the eligibility period; by