

provide for the portability of professional licenses of members of the uniformed services and their spouses, and for other purposes.

S. 1086

At the request of Mr. BLUMENTHAL, the names of the Senator from Illinois (Mr. DURBIN) and the Senator from Maine (Ms. COLLINS) were added as cosponsors of S. 1086, a bill to provide incentives for hate crime reporting, provide grants for State-run hate crime hotlines, and establish alternative sentencing for individuals convicted under the Matthew Shephard and James Byrd, Jr. Hate Crimes Prevention Act.

S. RES. 31

At the request of Mr. SCOTT of Florida, the name of the Senator from Tennessee (Mrs. BLACKBURN) was added as a cosponsor of S. Res. 31, a resolution expressing the Senate's opposition to the current, ineffective JCPOA.

S. RES. 72

At the request of Mr. COTTON, the name of the Senator from Iowa (Mr. GRASSLEY) was added as a cosponsor of S. Res. 72, a resolution opposing the lifting of sanctions imposed with respect to Iran without addressing the full scope of Iran's malign activities, including its nuclear program, ballistic and cruise missile capabilities, weapons proliferation, support for terrorism, hostage-taking, gross human rights violations, and other destabilizing activities.

#### STATEMENTS ON INTRODUCED BILLS AND JOINT RESOLUTIONS

By Mr. THUNE (for himself and Mr. SCHATZ):

S. 1127. A bill to require the National Oceanic and Atmospheric Administration to make certain operational models available to the public, and for other purposes; to the Committee on Commerce, Science, and Transportation.

Mr. THUNE. Mr. President, I ask unanimous consent that the text of the bill be printed in the RECORD.

There being no objection, the text of the bill was ordered to be printed in the RECORD, as follows:

S. 1127

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

#### SECTION 1. SHORT TITLE.

This Act may be cited as the "Learning Excellence and Good Examples from New Developers Act of 2021" or the "LEGEND Act of 2021".

#### SEC. 2. DEFINITIONS.

In this Act:

(1) **ADMINISTRATION.**—The term "Administration" means the National Oceanic and Atmospheric Administration.

(2) **ADMINISTRATOR.**—The term "Administrator" means the Under Secretary of Commerce for Oceans and Atmosphere and Administrator of the National Oceanic and Atmospheric Administration.

(3) **EARTH PREDICTION INNOVATION CENTER.**—The term "Earth Prediction Innovation Center" means the community global weather research modeling system described in para-

graph (5)(E) of section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)), as redesignated by section 4(g).

(4) **MODEL.**—The term "model" means any vetted numerical model and associated data assimilation of the Earth's system or its components—

(A) developed, in whole or in part, by scientists and engineers employed by the Administration; or

(B) otherwise developed using Federal funds.

(5) **OPERATIONAL MODEL.**—The term "operational model" means any model that has an output used by the Administration for operational functions.

(6) **SUITABLE MODEL.**—The term "suitable model" means a model that meets the requirements described in paragraph (5)(E)(ii) of section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)), as redesignated by section 4(g), as determined by the Administrator.

#### SEC. 3. PURPOSES.

The purposes of this Act are—

(1) to support innovation in modeling by allowing interested stakeholders to have easy and complete access to the models used by the Administration, as the Administrator determines appropriate; and

(2) to use vetted innovations arising from access described in paragraph (1) to improve modeling by the Administration.

#### SEC. 4. PLAN AND IMPLEMENTATION OF PLAN TO MAKE CERTAIN MODELS AND DATA AVAILABLE TO THE PUBLIC.

(a) **IN GENERAL.**—The Administrator shall develop and implement a plan to make available to the public the following:

(1) Operational models developed by the Administration.

(2) Models that are not operational models, including experimental and developmental models, as the Administrator determines appropriate.

(3) Applicable information and documentation for models described in paragraphs (1) and (2).

(4) Subject to section 7, all data owned by the Federal Government and data that the Administrator has the legal right to redistribute that are associated with models made available to the public pursuant to the plan and used in operational forecasting by the Administration, including—

(A) relevant metadata;

(B) data used for operational models used by the Administration as of the date of the enactment of this Act; and

(C) a description of intended model outputs.

(b) **ACCOMMODATIONS.**—In developing and implementing the plan under subsection (a), the Administrator may make such accommodations as the Administrator considers appropriate to ensure that the public release of any model, information, documentation, or data pursuant to the plan does not jeopardize—

(1) national security;

(2) intellectual property or redistribution rights, including under titles 17 and 35, United States Code;

(3) any trade secret or commercial or financial information subject to section 552(b)(4) of title 5, United States Code;

(4) any models or data that are otherwise restricted by contract or other written agreement; or

(5) the mission of the Administration to protect lives and property.

(c) **PRIORITY.**—In developing and implementing the plan under subsection (a), the Administrator shall prioritize making available to the public the models described in subsection (a)(1).

(d) **EXCLUSION OF CERTAIN MODELS.**—In developing and implementing the plan under subsection (a), the Administrator may exclude models that the Administrator determines will be retired or superseded in fewer than 5 years after the date of the enactment of this Act.

(e) **PLATFORMS.**—In carrying out subsections (a) and (b), the Administrator may use government servers, contracts or agreements with a private vendor, or any other platform consistent with the purpose of this Act.

(f) **SUPPORT PROGRAM.**—The Administrator shall plan for and establish a program to support infrastructure, including telecommunications and technology infrastructure of the Administration and the platforms described in subsection (e), relevant to making operational models and data available to the public pursuant to the plan under subsection (a).

(g) **TECHNICAL CORRECTION.**—Section 102(b) of the Weather Research Forecasting and Innovation Act of 2017 (15 U.S.C. 8512(b)) is amended by redesignating the second paragraph (4) (as added by section 4(a) of the National Integrated Drought Information System Reauthorization Act of 2018 (Public Law 115-423; 132 Stat. 5456)) as paragraph (5).

#### SEC. 5. REQUIREMENT TO REVIEW MODELS AND LEVERAGE INNOVATIONS.

The Administrator shall—

(1) consistent with the mission of the Earth Prediction Innovation Center, periodically review innovations and improvements made by persons outside the Administration to the operational models made available to the public pursuant to the plan under section 4(a) in order to improve the accuracy and timeliness of forecasts of the Administration; and

(2) if the Administrator identifies an innovation for a suitable model, develop and implement a plan to use the innovation to improve the model.

#### SEC. 6. REPORT ON IMPLEMENTATION.

(a) **IN GENERAL.**—Not later than 2 years after the date of the enactment of this Act, the Administrator shall submit to the appropriate congressional committees a report on the implementation of this Act that includes a description of—

(1) the implementation of the plan required by section 4;

(2) the process of the Administration under section 5—

(A) for engaging with interested stakeholders to learn what innovations those stakeholders have found;

(B) for reviewing those innovations; and

(C) for operationalizing innovations to improve suitable models.

(b) **APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.**—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Commerce, Science, and Transportation and the Committee on Appropriations of the Senate; and

(2) the Committee on Science, Space, and Technology and the Committee on Appropriations of the House of Representatives.

#### SEC. 7. PROTECTION OF NATIONAL SECURITY INTERESTS.

(a) **IN GENERAL.**—Notwithstanding any other provision of this Act, the Administrator, in consultation with the Secretary of Defense, as appropriate, may withhold any model or data if the Administrator determines doing so to be necessary to protect the national security interests of the United States.

(b) **RULE OF CONSTRUCTION.**—Nothing in this Act shall be construed to supersede any other provision of law governing the protection of the national security interests of the United States.

**SEC. 8. AUTHORIZATION OF APPROPRIATIONS.**

(a) IN GENERAL.—There is authorized to be appropriated to carry out this Act \$2,000,000 for each of fiscal years 2022 through 2026.

(b) DERIVATION OF FUNDS.—Funds to carry out this section shall be derived from amounts authorized to be appropriated to the National Weather Service that are enacted after the date of the enactment of this Act.

By Mr. REED (for himself and Mr. YOUNG):

S. 1126. A bill to amend the Education Sciences Reform Act of 2002 and the Educational Technical Assistance Act of 2002 to strengthen research in adult education; to the Committee on Health, Education, Labor, and Pensions.

Mr. REED. Mr. President, I am pleased to introduce the bipartisan Strengthening Research in Adult Education Act with my colleague, Senator YOUNG. We are in urgent need of identifying and disseminating innovative and effective methods for supporting adult learners. Our legislation will ensure that there is a strong research base to improve the teaching provided for, and the learning of, adults seeking to advance their literacy, numeracy, and digital literacy skills.

The most recent data from the Program for the International Assessment of Adult Competencies show an urgent need for action in adult education with an estimated 19 percent of adults ages 16–65 in the United States performing at the lowest levels of literacy; twenty-nine percent at the lowest levels of numeracy; and 24 percent at the lowest levels of digital problem solving. This is a dire situation. These are essential skills for postsecondary education and the workplace. Beyond their value in the labor market, these skills are also correlated with health and civic participation, making adult education critically important to the health and well-being of our people, our economy, and our democracy.

In Rhode Island, it is estimated that nearly 82,000 working age adults have less than a high school education. Over 55,000 have limited English proficiency. Yet, we are reaching just over 5,000 through the current adult education program. Clearly, we need more resources and innovative, research-based ways to reach more people.

The Strengthening Research in Adult Education Act will support the key reforms to adult education in the Workforce Innovation and Opportunity Act by ensuring that adult education is included in our national education research priorities. Specifically, the Strengthening Research in Adult Education Act will amend the Education Sciences Reform Act to require the Institute for Education Sciences and the National Center for Education Statistics to collect data and carry out research on: successful State and local adult education and literacy activities, the characteristics and academic achievement of adult learners, and access to and opportunity for adult edu-

cation, including digital literacy skills development, in communities across the Nation. It will also ensure that the Institute of Education Sciences draws on the expertise of adult educators when developing policies and priorities. Finally, the legislation would require that at least one research center would focus on adult education.

These straightforward amendments to the Education Sciences Reform Act will go a long way to strengthening the research base that will support the improvement of adult education across the country. I was pleased to work with the adult education community, and particularly, the Coalition of Adult Basic Educators and the National Coalition for Literacy in developing this legislation. I urge my colleagues to support the Strengthening Research in Adult Education Act and to work with me to ensure that its provisions are included in the reauthorization of the Education Sciences Reform Act.

### SUBMITTED RESOLUTIONS

#### SENATE RESOLUTION 155—HONORING THE ACCOMPLISHMENTS AND LEGACY OF CÉSAR ESTRADA CHÁVEZ

Mr. MENENDEZ (for himself, Mr. BENNET, Mr. HEINRICH, Mr. BLUMENTHAL, Ms. CORTEZ MASTO, Mr. PADILLA, Mr. DURBIN, Ms. HIRONO, Mr. MARKEY, Mr. BOOKER, Mr. KELLY, Ms. ROSEN, Mrs. MURRAY, Ms. DUCKWORTH, Mrs. FEINSTEIN, and Mr. LUJÁN) submitted the following resolution; which was referred to the Committee on the Judiciary:.

#### S. RES. 155

Whereas César Estrada Chávez was born on March 31, 1927, near Yuma, Arizona;

Whereas César Estrada Chávez spent his early years on a family farm;

Whereas, at the age of 10, César Estrada Chávez joined the thousands of migrant farm workers laboring in fields and vineyards throughout the Southwest after a bank foreclosure resulted in the loss of the family farm;

Whereas César Estrada Chávez, after attending more than 30 elementary and middle schools and achieving an eighth grade education, left school to work full-time as a farm worker to help support his family;

Whereas, at the age of 17, César Estrada Chávez entered the United States Navy and served the United States with distinction for 2 years;

Whereas, in 1948, César Estrada Chávez returned from military service to marry Helen Fabela, whom he had met while working in the vineyards of central California;

Whereas César Estrada Chávez and Helen Fabela had 8 children;

Whereas, as early as 1949, César Estrada Chávez was committed to organizing farm workers to campaign for safe and fair working conditions, reasonable wages, livable housing, and the outlawing of child labor;

Whereas, in 1952, César Estrada Chávez joined the Community Service Organization, a prominent Latino civil rights group, and worked with the organization to coordinate voter registration drives and conduct campaigns against discrimination in East Los Angeles;

Whereas César Estrada Chávez served as the national director of the Community Service Organization;

Whereas, in 1962, César Estrada Chávez left the Community Service Organization to establish the National Farm Workers Association, which eventually became the United Farm Workers of America;

Whereas, under the leadership of César Estrada Chávez, the United Farm Workers of America organized thousands of migrant farm workers to fight for fair wages, health care coverage, pension benefits, livable housing, and respect;

Whereas César Estrada Chávez was a strong believer in the principles of non-violence practiced by Mahatma Gandhi and Dr. Martin Luther King, Jr.;

Whereas César Estrada Chávez effectively used peaceful tactics that included fasting for 25 days in 1968, 25 days in 1972, and 38 days in 1988 to call attention to the terrible working and living conditions of farm workers in the United States;

Whereas, through his commitment to non-violence, César Estrada Chávez brought dignity and respect to the organized farm workers and became an inspiration to and a resource for individuals engaged in human rights struggles throughout the world;

Whereas the influence of César Estrada Chávez extends far beyond agriculture and provides inspiration for individuals working to better human rights, empower workers, and advance the American Dream, which includes all people of the United States;

Whereas César Estrada Chávez died on April 23, 1993, at the age of 66 in San Luis, Arizona, only miles from his birthplace;

Whereas more than 50,000 people attended the funeral services of César Estrada Chávez in Delano, California;

Whereas César Estrada Chávez was laid to rest at the headquarters of the United Farm Workers of America, known as “Nuestra Señora de La Paz”, located in the Tehachapi Mountains in Keene, California;

Whereas, since the death of César Estrada Chávez, schools, parks, streets, libraries, and other public facilities, as well as awards and scholarships, have been named in his honor;

Whereas more than 10 States and dozens of communities across the United States honor the life and legacy of César Estrada Chávez each year on March 31;

Whereas March 31 is recognized as an official State holiday in California, Colorado, and Texas, and there is growing support to designate the birthday of César Estrada Chávez as a national day of service to memorialize his heroism;

Whereas, during his lifetime, César Estrada Chávez was a recipient of the Martin Luther King Jr. Peace Prize;

Whereas, on August 8, 1994, César Estrada Chávez was posthumously awarded the Presidential Medal of Freedom;

Whereas, on October 8, 2012, President Barack Obama authorized the Secretary of the Interior to establish a César Estrada Chávez National Monument in Keene, California;

Whereas President Joseph R. Biden Jr. honored the life and service of César Estrada Chávez by proclaiming March 31, 2021, to be “César Chávez Day” and by asking all people of the United States to observe March 31 with service, community, and education programs to honor the enduring legacy of César Estrada Chávez; and

Whereas the United States should continue the efforts of César Estrada Chávez to ensure equality, justice, and dignity for all people of the United States: Now, therefore, be it

*Resolved*, That the Senate—