''(2) MANAGEMENT OF PROTECTED AREAS.—The Government of Armenia shall participate in the ongoing management of the area or areas protected pursuant to such debt relief.

''(3) MINIMUM COUNTRY REFORESTATION FUND PERCENTAGE.—Not less than 85 percent of funds that qualify under a debt relief agreement under this section shall be spent on actual reforestation activities in Armenia, which may include the protection of reforested areas or of existing forests.

''(4) TERMINATION OF PROGRAM.—

''(A) IN GENERAL.—The authority to offer debt relief under this subsection shall terminate on the date that is 5 years after the date of the enactment of this Act unless the President determines and certifies to Congress that—

''(i) the debt forgiveness pilot program under this subsection has been effective in meeting the goals of the Haiti and Armenia Reforestation Act of 2018; and

''(ii) the Government of Armenia has committed to returning land in Armenia to long-term sustainable forests.

''(B) RENEWAL.—If the President makes a certification under subparagraph (A), the authority to forgive debt under this subsection may be renewed for 1 additional 5-year period.''.

**TITLE III—ADMINISTRATIVE PROVISION**

**SEC. 301. DELEGATION.**

The President, or the Administrator of the United States Agency for International Development or the Secretary of State, acting as the President's delegate, may draw on the expertise of the United States Forest Service and the United States Agency for International Development in designing and implementing programs under this Act relating to reforestation, watershed restoration, and monitoring of land use change.

**SEC. 302. DETERMINATION AND MONITORING OF FOREST LEVELS.**

(a) IN GENERAL.—Not later than 6 months after the date of the enactment of this Act, the Chief of the United States Forest Service, in consultation with the Administrator of the United States Agency for International Development, using the latest available Landsat data, shall—

(1) determine the current level of forest cover in Haiti and the current level of forest cover in Armenia, expressed as a percentage of each country's total land mass; and

(2) submit this information to the appropriate committees of Congress.

(b) UPDATES.—The Chief of the United States Forest Service, in consultation with the Administrator of the United States Agency for International Development, shall submit an annual report to the appropriate committees of Congress that contains an updated determination, using the latest available Landsat data, of the level of forest cover in Haiti and the level of forest cover in Armenia.

(c) USE OF DETERMINATIONS.—Each determination under subsection (a)(1) and each updated determination under subsection (b) shall be used for the purposes of setting and achieving the goals described in section 2(b)(3).

## SUBMITTED RESOLUTIONS

### SENATE RESOLUTION 593—HONORING THE LIFE AND LEGACY OF GRACE HOPPER, PROFESSOR, INVENTOR, ENTREPRENEUR, BUSINESS LEADER, AND REAR ADMIRAL OF THE NAVY

Mr. WYDEN (for himself and Mrs. FISCHER) submitted the following resolution; which was considered and agreed to:

S. RES. 593

Whereas Grace Hopper was born on December 9, 1906, in New York City, New York;

Whereas, in 1928, Grace Hopper graduated with honors from Vassar College with degrees in physics and mathematics;

Whereas Grace Hopper would go on to earn both her masters degree and Ph.D. from Yale University, earning her Ph.D. in 1934;

Whereas, after the bombing of Pearl Harbor and the entry of the United States into World War II, Grace Hopper felt called to serve her nation and enlisted in the Navy;

Whereas Grace Hopper was assigned to the Bureau of Ships Computation Project at Harvard University, where she worked on the first electromechanical computer in the United States, which was known as the MARK I;

Whereas, while assigned to the Computation Project, Grace Hopper—

(1) served as second in command in charge of operations;

(2) wrote the 561-page user manual for the MARK I, considered the first book about modern computers; and

(3) used the MARK I to solve various wartime mathematical problems for the Navy that saved thousands of lives, including the implosion problem for the Manhattan Project;

Whereas, after World War II, Grace Hopper remained in the Navy as a reservist, continuing to work on the MARK II and MARK III computers;

Whereas, in the 1950s, Grace Hopper helped pioneer the computer industry at the Eckert-Mauchly Computer Corporation and Remington Rand, where she assisted in developing the Universal Automatic Computer I and II, the first commercial electronic computers;

Whereas, while working on the Universal Automatic Computer I and II, Grace Hopper invented the first compiler, which is the cornerstone of modern automatic programming;

Whereas, in 1953, Grace Hopper was the first person to theorize code as words instead of symbols, which was considered impossible by her peers, and after 3 years her team was using the first written-word programming language;

Whereas the development of a written-word programming language was an incredibly important step in the development of computer science, as it allowed people who lacked advanced engineering and mathematics backgrounds to program computers;

Whereas, in 1959, Grace Hopper organized leaders from government, the private sector, and academia to create a universal business computer programming language called ''common business-oriented language'', or ''COBOL'';

Whereas, in 2018, COBOL supports over 30,000,000,000 transactions per day and 90 percent of all global financial transactions;

Whereas throughout her work in the private sector, Grace Hopper remained a naval reservist until the age of 60, calling her required retirement from the Naval Reserve ''the saddest day of my life'';

Whereas, just a few months after her retirement from the Naval Reserve, ''Amazing Grace'' was called again to the Navy for active service, where she would serve for another 19 years until her final military retirement as Rear Admiral of the Navy at the age of 79;

Whereas Grace Hopper has received many honors for her groundbreaking ideas and contributions over the years, including becoming the first inductee to the Computer Hall of Fame, receiving the U.S. National Medal of Technology, the naming of the destroyer USS *Hopper* in her honor, and receiving the Presidential Medal of Freedom;

Whereas, of all of the contributions and service of Grace Hopper, she considered her work as a mentor and teacher the most valuable;

Whereas Grace Hopper once remarked that ''If you ask me what accomplishment I'm most proud of, the answer would be all the young people I've trained over the years'';

Whereas, today the ''Grace Hopper Celebration'' is the largest gathering of women in computing with 18,000 attendees in 2017;

Whereas Grace Hopper passed away January 1, 1992, at the age of 85, and was interred with full military honors in Arlington National Cemetery; and

Whereas Grace Hopper served as a trailblazer for other women and men who would follow her in the field of computer science, academia, and the Armed Forces: Now, therefore, be it

*Resolved*, That the Senate honors the pioneering ideas and service of Grace Hopper, professor, inventor, entrepreneur, business leader, and Rear Admiral of the Navy.

### SENATE RESOLUTION 592—DESIGNATING OCTOBER 9, 2018, AS ''NATIONAL ADA LOVELACE DAY'' AND HONORING THE LIFE AND LEGACY OF ADA LOVELACE, THE FIRST COMPUTER PROGRAMMER

Mr. WYDEN (for himself and Mrs. FISCHER) submitted the following resolution; which was considered and agreed to:

S. RES. 592

Whereas Augusta Ada King-Noel, Countess of Lovelace, now known as Ada Lovelace, was born on December 10, 1815, in London, United Kingdom;

Whereas, from a young age, Lovelace displayed a gift for mathematics, languages, and the sciences;

Whereas, at the age of 17, Lovelace began to study mathematics under the guidance of scientist and translator Mary Somerville and, later, logician Augustus de Morgan;

Whereas, in 1833, Lovelace was introduced to inventor and mechanical engineer, Charles Babbage, and began to study his designs for the Analytical Engine, a mechanical computer;

Whereas Lovelace was the first person to recognize that the Analytical Engine could be used to manipulate symbols and letters and was the first person to theorize that the Analytical Engine could be used to create music and graphics;

Whereas, in 1843, Lovelace published step-by-step instructions for using the Analytical Engine to calculate Bernoulli numbers ''without having been worked out by human head and hands first'';

Whereas these insights gave Lovelace an unparalleled vision of the future of computer science, and she stated that ''[a] new, a vast and a powerful language is [being] developed for the future use of analysis, in which to wield its truths so that these may become of more speedy and accurate practical application for the purposes of mankind'';

Whereas the work of Lovelace went widely unrecognized until the 1950s, when her papers were republished, and their significance and her contributions to the fields of computer science and mathematics were finally acknowledged;

Whereas, in the 1980s, to honor the contributions of Lovelace, the Department of Defense named its newly created computer language ''Ada'' after Lovelace;

Whereas the second Tuesday in October is annually celebrated as Ada Lovelace Day