

“(4) a review of procurements, planned or initiated, by each Council agency to enhance, expand, or modernize the observation capabilities and data products provided by the System, including data management and communication subsystems;

“(5) a summary of the existing gaps in observation infrastructure and monitoring data collection, including—

“(A) priorities considered by the System advisory committee;

“(B) the national sea surface current mapping network;

“(C) coastal buoys, and;

“(D) ocean chemistry monitoring;

“(6) an assessment regarding activities to integrate Federal and non-Federal assets, nationally and on the regional level, and discussion of the performance and effectiveness of regional information coordination entities to coordinate regional observation operations;

“(7) a description of benefits of the program to users of data products resulting from the System (including the general public, industries, scientists, resource managers, emergency responders, policy makers, and educators);

“(8) recommendations concerning—

“(A) modifications to the System; and

“(B) funding levels for the System in subsequent fiscal years; and

“(9) the results of a periodic external independent programmatic audit of the System.”.

SEC. 7. PUBLIC-PRIVATE USE POLICY.

Section 12308 of the Integrated Coastal and Ocean Observation System Act of 2009 (33 U.S.C. 3607) is amended to read as follows:

“SEC. 12308. PUBLIC-PRIVATE USE POLICY.

“The Council shall maintain a policy that defines processes for making decisions about the roles of the Federal Government, the States, regional information coordination entities, the academic community, and the private sector in providing to end-user communities environmental information, products, technologies, and services related to the System. The Administrator shall ensure that National Oceanic and Atmospheric Administration adheres to the decision making process developed by the Council regarding the roles of the Federal Government, the States, the Regional Coastal Observing Systems, the academic communities, and the private sector in providing the end-user communities environmental information, data products, technologies, and services related to the System.”.

SEC. 8. REPEAL OF INDEPENDENT COST ESTIMATE.

(a) IN GENERAL.—The Integrated Coastal and Ocean Observation System Act of 2009 is amended by striking section 12309 (33 U.S.C. 3608).

(b) TABLE OF CONTENTS AMENDMENT.—The table of contents in section 1(b) of the Omnibus Public Land Management Act of 2009 (Public Law 111–11; 123 Stat. 991) is amended by striking the item related to section 12309.

SEC. 9. AUTHORIZATION OF APPROPRIATIONS.

Section 12311 of the Integrated Coastal and Ocean Observation System Act of 2009 (33 U.S.C. 3610) is amended by striking “2013” and inserting “2019”.

SEC. 10. REPORTS AND RESEARCH PLANS.

Section 12404(c) of the Federal Ocean Acidification Research And Monitoring Act of 2009 (33 U.S.C. 3703(c)) is amended by adding at the end the following:

“(4) ECONOMIC VULNERABILITY REPORT.—

“(A) IN GENERAL.—Not later than 2 years after the date of the enactment of the Coordinated Ocean Monitoring and Research Act, and every 5 years thereafter, the Subcommittee shall transmit to appropriate committees of Congress a report that—

“(i) is named ‘The Ocean Chemistry Coastal Community Vulnerability Assessment’;

“(ii) identifies gaps in ocean acidification monitoring by public, academic, and private assets in the network of regional coastal observing systems;

“(iii) identifies geographic areas which have gaps in ocean acidification research;

“(iv) identifies United States coastal communities, including fishing communities, low-population rural communities, tribal and subsistence communities, and island communities, that may be impacted by ocean acidification;

“(v) identifies impacts of changing ocean carbonate chemistry on the communities described in clause (iv), including impacts from changes in ocean and coastal marine resources that are not managed by the Federal Government;

“(vi) identifies gaps in understanding of the impacts of ocean acidification on economically or commercially important species, particularly those which support United States commercial, recreational, and tribal fisheries and aquaculture;

“(vii) identifies habitats that may be particularly vulnerable to corrosive sea water, including areas experiencing multiple stressors such as hypoxia, sedimentation, and harmful algal blooms;

“(viii) identifies areas in which existing Integrated Ocean Observing System assets, including buoys and gliders, may be leveraged as platforms for the deployment of new sensors or other applicable observing technologies; and

“(ix) is written in collaboration with the agencies responsible for carrying out this Act.

“(B) FORM OF REPORT.—

“(i) INITIAL REPORT.—The initial report required by subparagraph (A) shall include the information described in clauses (i) through (ix) on a national level.

“(ii) SUBSEQUENT REPORTS.—Each report required by subparagraph (A) after the initial report—

“(I) may describe the information described in clauses (i) through (ix) on a national level; or

“(II) may consist of separate reports for each region of the National Oceanic and Atmospheric Administration.

“(iii) REGIONAL REPORTS.—If the Subcommittee opts to prepare a report required by subparagraph (A) as separate regional reports under clause (ii)(II), the Subcommittee shall submit a report for each region of the National Oceanic and Atmospheric Administration not less often than once during each 5-year reporting period.

“(C) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this paragraph and in paragraph (5), the term ‘appropriate committees of Congress’ means the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology and the Committee on Natural Resources of the House of Representatives.

“(5) MONITORING PRIORITIZATION PLAN.—Not later than 180 days after the date of the submission of the initial report required by paragraph (4)(A), the Subcommittee shall transmit to the appropriate committees of Congress a report that develops a plan to deploy new sensors or other applicable observing technologies—

“(A) based on such initial report;

“(B) prioritized by—

“(i) the threat to coastal economies and ecosystems;

“(ii) gaps in data; and

“(iii) research needs; and

“(C) that leverage existing platforms, where possible.”.

SEC. 11. STRATEGIC RESEARCH PLAN.

(a) CONTENTS.—Section 12405(b) of the Federal Ocean Acidification Research And Monitoring Act of 2009 (33 U.S.C. 3704(b)) is amended—

(1) in paragraph (8), by striking “and” at the end;

(2) in paragraph (9), by striking the period at the end and inserting a semicolon and “and”; and

(3) by adding at the end the following:

“(10) make recommendations for research to be conducted, including in the social sciences and economics, to address the key knowledge

gaps identified in the economic vulnerability report conducted under section 12404(c).”.

(b) PROGRAM ELEMENTS.—Section 12405(c) of the Federal Ocean Acidification Research And Monitoring Act of 2009 (33 U.S.C. 3704(c)) is amended by adding at the end the following:

“(6) Research to understand combined effects of changes in ocean chemistry, sediment delivery, hypoxia, and harmful algal blooms and the impact these processes have on each other, and how these multiple stressors impact living marine resources and coastal ecosystems.

“(7) Applied research to identify adaptation strategies for species impacted by changes in ocean chemistry including vegetation-based systems, shell recycling, species and genetic diversity, applied technologies, aquaculture methodologies, and management recommendations.”.

SEC. 12. STAKEHOLDER INPUT ON MONITORING.

Section 12406(a) of the Federal Ocean Acidification Research And Monitoring Act of 2009 (33 U.S.C. 3705(a)) is amended—

(1) in paragraph (2), by striking “and” at the end;

(2) in paragraph (3), by striking the period at the end and inserting a semicolon and “and”; and

(3) by adding at the end the following:

“(4) includes an ongoing mechanism that allows potentially affected industry members, coastal stakeholders, fishery management councils and commissions, non-Federal resource managers, and scientific experts to provide input on monitoring needs that are necessary to support on the ground management, decision making, and adaptation related to ocean acidification.”.

SEC. 13. RESEARCH ACTIVITIES.

Section 12407(a) of the Federal Ocean Acidification Research And Monitoring Act of 2009 (33 U.S.C. 3706(a)) is amended to read as follows:

“(a) RESEARCH ACTIVITIES.—The Director of the National Science Foundation shall continue to carry out research activities on ocean acidification which shall support competitive, merit-based, peer-reviewed proposals for research, observatories and monitoring of ocean acidification and its impacts, including—

“(1) impacts on marine organisms and marine ecosystems;

“(2) impacts on ocean, coastal, and estuarine biogeochemistry;

“(3) the development of methodologies and technologies to evaluate ocean acidification and its impacts, and;

“(4) impacts of multiple stressors on ecosystems exhibiting hypoxia, harmful algal blooms, or sediment delivery, combined with changes in ocean chemistry.”.

Mr. McCONNELL. I ask unanimous consent that the committee-reported substitute amendment be agreed to, the bill, as amended, be considered read a third time and passed, and the motion to reconsider be considered made and laid upon the table.

The PRESIDING OFFICER. Without objection, it is so ordered.

The committee-reported amendment in the nature of a substitute was agreed to.

The bill (S. 1886), as amended, was ordered to be engrossed for a third reading, was read the third time, and passed.

NATIONAL HYDROGEN AND FUEL CELL DAY

Mr. McCONNELL. Mr. President, I ask unanimous consent that the Senate proceed to the immediate consideration of S. Res. 573, submitted earlier today.

The PRESIDING OFFICER. The clerk will report the resolution by title.

The senior assistant legislative clerk read as follows:

A resolution (S. Res. 573) designating October 8, 2016, as “National Hydrogen and Fuel Cell Day.”

There being no objection, the Senate proceeded to consider the resolution.

Mr. McCONNELL. I know of no further debate on this measure.

The PRESIDING OFFICER. Is there any further debate?

Hearing none, the question is on agreeing to the resolution.

The resolution (S. Res. 573) was agreed to.

Mr. McCONNELL. I ask unanimous consent that the preamble be agreed to and the motions to reconsider be considered made and laid upon the table.

The PRESIDING OFFICER. Without objection, it is so ordered.

The preamble was agreed to.

(The resolution, with its preamble, is printed in today’s RECORD under “Submitted Resolutions.”)

RESOLUTIONS SUBMITTED TODAY

Mr. McCONNELL. Mr. President, I ask unanimous consent that the Sen-

ate proceed to the en bloc consideration of the following Senate resolutions, which were submitted earlier today: S. Res. 574, S. Res. 575, S. Res. 576, and S. Res. 577.

There being no objection, the Senate proceeded to consider the resolutions en bloc.

Mr. McCONNELL. I ask unanimous consent that the resolutions be agreed to, the preambles be agreed to, and the motions to reconsider be laid upon the table en bloc.

The PRESIDING OFFICER. Without objection, it is so ordered.

The resolutions were agreed to.

The preambles were agreed to.

(The resolutions, with their preambles, are printed in today’s RECORD under “Submitted Resolutions.”)

APPOINTMENT

The PRESIDING OFFICER. The Chair, on behalf of the Democratic leader, pursuant to Public Law 99-661, appoints the following individual to be a member of the Board of Trustees of the Barry Goldwater Scholarship and Excellence in Education Foundation: the Honorable JACK REED of Rhode Island.

ORDERS FOR TUESDAY, SEPTEMBER 27, 2016

Mr. McCONNELL. Mr. President, I ask unanimous consent that when the Senate completes its business today, it adjourn until 10 a.m., Tuesday, September 27; that following the prayer and pledge, the morning hour be deemed expired, the Journal of proceedings be approved to date, and the time for the two leaders be reserved for their use later in the day; further, that following leader remarks, the Senate resume consideration of H.R. 5325; finally, that the Senate recess from 12:30 p.m. to 2:15 p.m. to allow for the weekly conference meetings.

The PRESIDING OFFICER. Without objection, it is so ordered.

ADJOURNMENT UNTIL 10 A.M. TOMORROW

Mr. McCONNELL. Mr. President, if there is no further business to come before the Senate, I ask unanimous consent that it stand adjourned under the previous order.

There being no objection, the Senate, at 5:27 p.m., adjourned until Tuesday, September 27, 2016, at 10 a.m.