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115TH CONGRESS
2D SESSION

H. R. 8

[Report No. 115–708]

To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MAY 18, 2018

Mr. SHUSTER (for himself, Mr. DEFAZIO, Mr. GRAVES of Louisiana, and Mrs. NAPOLITANO) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

JUNE 1, 2018

Additional sponsors: Mr. DUNCAN of Tennessee, Ms. ESTY of Connecticut, Mr. LOBIONDO, Mr. LARSEN of Washington, Mr. HUNTER, Mr. GARAMENDI, Mr. GRAVES of Missouri, Ms. NORTON, Mr. DENHAM, Mr. CAPUANO, Mr. BARLETTA, Ms. EDDIE BERNICE JOHNSON of Texas, Mr. GIBBS, Mr. CUMMINGS, Mr. SANFORD, Mr. LIPINSKI, Mr. ROUZER, Mr. NOLAN, Mr. WEBER of Texas, Mrs. BUSTOS, Mr. MITCHELL, Ms. BROWNLEY of California, Mr. FASO, Ms. WILSON of Florida, Mr. FERGUSON, Mr. PAYNE, Mr. LOWENTHAL, Mrs. LAWRENCE, and Mr. DESAULNIER

JUNE 1, 2018

Reported with an amendment, committed to the Committee of the Whole House on the State of the Union, and ordered to be printed

[Strike out all after the enacting clause and insert the part printed in *italic*]

[For text of introduced bill, see copy of bill as introduced on May 18, 2018]

A BILL

To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
 2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

4 (a) *SHORT TITLE.*—*This Act may be cited as the*
 5 *“Water Resources Development Act of 2018”.*

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

Sec. 1. Short title; table of contents.

Sec. 2. Secretary defined.

TITLE I—GENERAL PROVISIONS

Sec. 101. Sense of Congress regarding water resources development bills.

Sec. 102. Use of Harbor Maintenance Trust Fund to support navigation.

Sec. 103. Assessment of harbors and inland harbors.

Sec. 104. Levee safety initiative reauthorization.

Sec. 105. Dam safety.

Sec. 106. Rehabilitation of Corps of Engineers constructed dams.

Sec. 107. Forecast-informed reservoir operations.

Sec. 108. Identification of nonpowered dams for hydropower development.

Sec. 109. Emergency response to natural disasters.

Sec. 110. Integrated water resources planning.

Sec. 111. Mitigation banks.

Sec. 112. Indian Tribes.

Sec. 113. Columbia River.

Sec. 114. Dissemination of information.

Sec. 115. Non-Federal engagement and review.

Sec. 116. Comprehensive backlog report.

Sec. 117. Structures and facilities constructed by Secretary.

Sec. 118. Transparency in administrative expenses.

Sec. 119. Study of the future of the United States Army Corps of Engineers.

Sec. 120. Acknowledgment of credit.

Sec. 121. Non-Federal implementation pilot program.

Sec. 122. Study of water resources development projects by non-Federal interests.

Sec. 123. Construction of water resources development projects by non-Federal in-
terests.

Sec. 124. Advanced funds for water resources development studies and projects.

Sec. 125. Funding to process permits.

Sec. 126. Study on economic and budgetary analyses.

Sec. 127. Study of corrosion management at Corps of Engineers projects.

Sec. 128. Costs in excess of Federal participation limit.

Sec. 129. Report on innovative materials.

Sec. 130. Study on Corps of Engineers.

Sec. 131. GAO study.

Sec. 132. GAO report on Alaska Native village relocation efforts due to flooding
and erosion threats.

Sec. 133. Study and report on expediting certain waiver processes.

Sec. 134. Corps of Engineers continuing authorities program.
Sec. 135. Credit in lieu of reimbursement.
Sec. 136. Lake Okeechobee regulation schedule review.
Sec. 137. Missouri River.
Sec. 138. Access to real estate data.
Sec. 139. Aquatic invasive species research.
Sec. 140. Harmful algal bloom technology demonstration.
Sec. 141. Bubbly Creek, Chicago ecosystem restoration.
Sec. 142. Operation and maintenance of navigation and hydroelectric facilities.
Sec. 143. Hurricane and storm damage reduction.
Sec. 144. Post-disaster watershed assessments in the territories of the United States.

TITLE II—STUDIES

Sec. 201. Authorization of proposed feasibility studies.
Sec. 202. Additional studies.
Sec. 203. Expedited completion of reports for certain projects.

TITLE III—DEAUTHORIZATIONS, MODIFICATIONS, AND RELATED PROVISIONS

Sec. 301. Deauthorization of inactive projects.
Sec. 302. Backlog prevention.
Sec. 303. Project modifications.
Sec. 304. Milwaukee Harbor, Milwaukee, Wisconsin.
Sec. 305. Bridgeport Harbor, Connecticut.
Sec. 306. Conveyances.
Sec. 307. Clatsop County, Oregon.
Sec. 308. Kissimmee River Restoration, Central and Southern Florida.
Sec. 309. Lytle and Cajon Creeks, California.
Sec. 310. Yuba River Basin, California.

TITLE IV—WATER RESOURCES INFRASTRUCTURE

Sec. 401. Project authorizations.

1 **SEC. 2. SECRETARY DEFINED.**

2 *In this Act, the term “Secretary” means the Secretary*
 3 *of the Army.*

4 **TITLE I—GENERAL PROVISIONS**

5 **SEC. 101. SENSE OF CONGRESS REGARDING WATER RE-** 6 **SOURCES DEVELOPMENT BILLS.**

7 *It is the sense of Congress that, because the missions*
 8 *of the Corps of Engineers for navigation, flood control,*
 9 *beach erosion control and shoreline protection, hydroelectric*

1 power, recreation, water supply, environmental protection,
 2 restoration, and enhancement, and fish and wildlife mitiga-
 3 tion benefit all Americans, and because water resources de-
 4 velopment projects are critical to maintaining the country's
 5 economic prosperity, national security, and environmental
 6 protection, Congress should consider a water resources de-
 7 velopment bill not less often than once every Congress.

8 **SEC. 102. USE OF HARBOR MAINTENANCE TRUST FUND TO**
 9 **SUPPORT NAVIGATION.**

10 (a) *AVAILABILITY OF AMOUNTS.*—Section 210 of the
 11 Water Resources Development Act of 1986 (33 U.S.C. 2238)
 12 is amended—

13 (1) in the section heading by striking “**AU-**
 14 **THORIZATION OF APPROPRIATIONS**” and insert-
 15 ing “**FUNDING FOR HARBOR NAVIGATION**”;

16 (2) by redesignating subsections (c), (d), (e), and
 17 (f) as subsections (d), (e), (f), and (g), respectively;
 18 and

19 (3) by inserting after subsection (b) the fol-
 20 lowing:

21 “(c) *USE OF COLLECTED FUNDS IN FISCAL YEAR 2029*
 22 *AND THEREAFTER.*—

23 “(1) *USE OF FUNDS.*—In addition to amounts
 24 appropriated under subsections (a) and (b), there
 25 shall be available to the Secretary, out of the Harbor

1 *Maintenance Trust Fund, without further appropria-*
 2 *tion, for fiscal year 2029 and each fiscal year there-*
 3 *after, such sums as may be necessary to carry out the*
 4 *purposes of subsection (a)(2).*

5 “(2) *AVAILABILITY OF AMOUNTS.*—*Amounts*
 6 *made available under this subsection shall remain*
 7 *available until expended.”.*

8 (b) *CONFORMING AMENDMENTS.*—*Section 210 of the*
 9 *Water Resources Development Act of 1986 (33 U.S.C. 2238)*
 10 *is further amended—*

11 (1) *in subsection (d)(2)(A)(i) (as redesignated by*
 12 *subsection (a)(2) of this section) by striking “sub-*
 13 *section (e)” and inserting “subsection (f)”;*

14 (2) *in subsection (e)(3)(B)(i) (as redesignated by*
 15 *subsection (a)(2) of this section) by striking “sub-*
 16 *section (c)(2)(A)” and inserting “subsection*
 17 *(d)(2)(A)”;* and

18 (3) *in subsection (f)(2)(A)(ii) (as redesignated by*
 19 *subsection (a)(2) of this section) by striking “sub-*
 20 *section (d)(2)” and inserting “subsection (e)(2)”.*

21 **SEC. 103. ASSESSMENT OF HARBORS AND INLAND HAR-**
 22 **BORS.**

23 *Subsection (f) of section 210 of the Water Resources*
 24 *Development Act of 1986 (33 U.S.C. 2238), as redesignated*
 25 *by section 102, is amended—*

1 (1) in paragraph (1), by striking “shall assess
2 the” and inserting “shall assess, and issue a report to
3 Congress on, the”; and

4 (2) in paragraph (2), by adding at the end the
5 following:

6 “(C) OPPORTUNITIES FOR BENEFICIAL USE
7 OF DREDGED MATERIALS.—In carrying out
8 paragraph (1), the Secretary shall identify po-
9 tential opportunities for the beneficial use of
10 dredged materials obtained from harbors and in-
11 land harbors referred to in subsection (a)(2), in-
12 cluding projects eligible under section 1122 of the
13 Water Resources Development Act of 2016 (130
14 Stat. 1645; 33 U.S.C. 2326 note).”.

15 **SEC. 104. LEVEE SAFETY INITIATIVE REAUTHORIZATION.**

16 Title IX of the Water Resources Development Act of
17 2007 (33 U.S.C. 3301 et seq.) is amended—

18 (1) in section 9005(g)(2)(E)(i), by striking
19 “2015 through 2019” and inserting “2019 through
20 2023”; and

21 (2) in section 9008, by striking “2015 through
22 2019” each place it appears and inserting “2019
23 through 2023”.

1 **SEC. 105. DAM SAFETY.**

2 *Section 14 of the National Dam Safety Program Act*
 3 *(33 U.S.C. 467j) is amended by striking “2015 through*
 4 *2019” each place it appears and inserting “2019 through*
 5 *2023”.*

6 **SEC. 106. REHABILITATION OF CORPS OF ENGINEERS CON-**
 7 **STRUCTED DAMS.**

8 *Section 1177 of the Water Resources Development Act*
 9 *of 2016 (33 U.S.C. 467f–2 note) is amended—*
 10 *(1) in subsection (e), by striking “\$10,000,000”*
 11 *and inserting “\$40,000,000”; and*
 12 *(2) in subsection (f), by striking “\$10,000,000”*
 13 *and inserting “\$40,000,000”.*

14 **SEC. 107. FORECAST-INFORMED RESERVOIR OPERATIONS.**

15 *(a) REPORT ON FORECAST-INFORMED RESERVOIR OP-*
 16 *ERATIONS.—Not later than one year after the date of com-*
 17 *pletion of the forecast-informed reservoir operations re-*
 18 *search study pilot program at Coyote Valley Dam, Russian*
 19 *River Basin, California (authorized by the River and Har-*
 20 *bor Act of 1950 (64 Stat. 177)), the Secretary shall issue*
 21 *a report to the Committee on Transportation and Infra-*
 22 *structure of the House of Representatives and the Committee*
 23 *on Environment and Public Works of the Senate on the re-*
 24 *sults of the study pilot program.*

25 *(b) CONTENTS OF REPORT.—The Secretary shall in-*
 26 *clude in the report issued under subsection (a)—*

1 (1) *an analysis of the use of forecast-informed*
 2 *reservoir operations at Coyote Valley Dam, Cali-*
 3 *fornia;*

4 (2) *an assessment of the viability of using fore-*
 5 *cast-informed reservoir operations at other dams*
 6 *owned or operated by the Secretary;*

7 (3) *an identification of other dams owned or op-*
 8 *erated by the Secretary where forecast-informed res-*
 9 *ervoir operations may assist the Secretary in the op-*
 10 *timization of future reservoir operations; and*

11 (4) *any additional areas for future study of fore-*
 12 *cast-informed reservoir operations.*

13 **SEC. 108. IDENTIFICATION OF NONPOWERED DAMS FOR HY-**
 14 **DROPOWER DEVELOPMENT.**

15 (a) *IN GENERAL.*—*Not later than 18 months after the*
 16 *date of enactment of this section, the Secretary shall develop*
 17 *a list of existing nonpowered dams owned and operated by*
 18 *the Corps of Engineers that have the greatest potential for*
 19 *hydropower development.*

20 (b) *CONSIDERATIONS.*—*In developing the list under*
 21 *subsection (a), the Secretary may consider the following:*

22 (1) *The compatibility of hydropower generation*
 23 *with existing purposes of the dam.*

24 (2) *The proximity of the dam to existing trans-*
 25 *mission resources.*

1 (3) *The existence of studies to characterize envi-*
 2 *ronmental, cultural, and historic resources relating to*
 3 *the dam.*

4 (4) *Whether hydropower is an authorized pur-*
 5 *pose of the dam.*

6 (c) *AVAILABILITY.—The Secretary shall provide the*
 7 *list developed under subsection (a) to the Committee on*
 8 *Transportation and Infrastructure of the House of Rep-*
 9 *resentatives and the Committee on Environment and Public*
 10 *Works of the Senate, and make such list available to the*
 11 *public.*

12 **SEC. 109. EMERGENCY RESPONSE TO NATURAL DISASTERS.**

13 (a) *IN GENERAL.—Section 5(a)(1) of the Act of August*
 14 *18, 1941 (33 U.S.C. 701n(a)(1)) is amended in the first*
 15 *sentence—*

16 (1) *by striking “strengthening, raising, extend-*
 17 *ing, or other modification thereof” and inserting*
 18 *“strengthening, raising, extending, realigning, or*
 19 *other modification thereof”; and*

20 (2) *by striking “structure or project damaged or*
 21 *destroyed by wind, wave, or water action of other*
 22 *than an ordinary nature to the design level of protec-*
 23 *tion when, in the discretion of the Chief of Engi-*
 24 *neers,” and inserting “structure or project damaged*
 25 *or destroyed by wind, wave, or water action of other*

1 *than an ordinary nature to either the pre-storm level*
 2 *or the design level of protection, whichever provides*
 3 *greater protection, when, in the discretion of the Chief*
 4 *of Engineers,”.*

5 *(b) DURATION.—Section 156(e) of the Water Resources*
 6 *Development Act of 1976 (42 U.S.C. 1962d–5f(e)) is amend-*
 7 *ed by striking “6 years” and inserting “9 years”.*

8 **SEC. 110. INTEGRATED WATER RESOURCES PLANNING.**

9 *In carrying out a water resources development feasi-*
 10 *bility study, the Secretary shall consult with local govern-*
 11 *ments in the watershed covered by such study to determine*
 12 *if local water management plans exist, or are under devel-*
 13 *opment, for the purposes of stormwater management, water*
 14 *quality improvement, aquifer recharge, or water reuse.*

15 **SEC. 111. MITIGATION BANKS.**

16 *(a) DEFINITION OF MITIGATION BANK.—In this sec-*
 17 *tion, the term “mitigation bank” has the meaning given*
 18 *that term in section 332.2 of title 33, Code of Federal Regu-*
 19 *lations.*

20 *(b) GUIDANCE.—The Secretary shall issue guidance on*
 21 *the use of mitigation banks to meet requirements for water*
 22 *resources development projects in order to update mitiga-*
 23 *tion bank credit release schedules to—*

1 (1) *support the goal of achieving efficient per-*
2 *mitting and maintaining appropriate environmental*
3 *protections; and*

4 (2) *promote increased transparency in the use of*
5 *mitigation banks.*

6 (c) *REQUIREMENTS.—The guidance issued under sub-*
7 *section (b) shall—*

8 (1) *be consistent with—*

9 (A) *part 230 of title 40, Code of Federal*
10 *Regulations;*

11 (B) *section 906 of the Water Resources De-*
12 *velopment Act of 1986 (33 U.S.C. 2283);*

13 (C) *part 332 of title 33, Code of Federal*
14 *Regulations; and*

15 (D) *section 314(b) of the National Defense*
16 *Authorization Act for Fiscal Year 2004 (Public*
17 *Law 108–136; 33 U.S.C. 1344 note); and*

18 (2) *provide for—*

19 (A) *the mitigation bank sponsor to provide*
20 *sufficient financial assurances to ensure a high*
21 *level of confidence that the compensatory mitiga-*
22 *tion project will be successfully completed, in ac-*
23 *cordance with applicable performance standards,*
24 *under section 332.3(n) of title 33, Code of Fed-*
25 *eral Regulations;*

1 (B) the mitigation bank sponsor to reserve
 2 the share of mitigation bank credits required to
 3 ensure ecological performance of the mitigation
 4 bank, in accordance with section 332.8(o) of title
 5 33, Code of Federal Regulations; and

6 (C) all credits except for the share reserved
 7 under subparagraph (B) to be available upon
 8 completion of the construction of the mitigation
 9 bank.

10 **SEC. 112. INDIAN TRIBES.**

11 (a) *COST SHARING PROVISIONS FOR THE TERRI-*
 12 *TORIES AND INDIAN TRIBES.*—Section 1156(a)(2) of the
 13 *Water Resources Development Act of 1986 (33 U.S.C.*
 14 *2310(a)(2)) is amended by striking “section 102 of the Fed-*
 15 *erally Recognized Indian Tribe List Act of 1994 (25 U.S.C.*
 16 *5130)” and inserting “section 4(e) of the Indian Self-Deter-*
 17 *mination and Education Assistance Act (25 U.S.C.*
 18 *5304(e))”.*

19 (b) *WRITTEN AGREEMENT REQUIREMENT FOR WATER*
 20 *RESOURCES PROJECTS.*—Section 221(b)(1) of the *Flood*
 21 *Control Act of 1970 (42 U.S.C. 1962d–5b(b)(1)) is amended*
 22 *by striking “a federally recognized Indian tribe and, as de-*
 23 *fined in section 3 of the Alaska Native Claims Settlement*
 24 *Act (43 U.S.C. 1602), a Native village, Regional Corpora-*
 25 *tion, and Village Corporation” and inserting “an Indian*

1 *tribe, as defined in section 4(e) of the Indian Self-Deter-*
 2 *mination and Education Assistance Act (25 U.S.C.*
 3 *5304(e))”.*

4 **SEC. 113. COLUMBIA RIVER.**

5 (a) *BONNEVILLE DAM, OREGON.—Section*
 6 *1178(c)(1)(A) of the Water Resources Development Act of*
 7 *2016 (130 Stat. 1675) is amended by striking “may provide*
 8 *assistance” and inserting “may provide assistance, which*
 9 *may include housing and related improvements,”.*

10 (b) *JOHN DAY DAM, WASHINGTON AND OREGON.—*

11 (1) *IN GENERAL.—The Secretary shall, not later*
 12 *than 180 days after the date of enactment of this Act,*
 13 *and in consultation with the Secretary of the Interior,*
 14 *conduct a study to determine the extent to which In-*
 15 *Indian Tribes have been displaced as a result of the con-*
 16 *struction of the John Day Dam, Columbia River,*
 17 *Washington and Oregon, as authorized by section 204*
 18 *of the Flood Control Act of 1950 (64 Stat. 179), in-*
 19 *cluding an assessment of effects related to housing and*
 20 *related improvements.*

21 (2) *ADDITIONAL ACTIONS.—If the Secretary de-*
 22 *termines, based on the study under paragraph (1),*
 23 *that assistance is required, the Secretary may use all*
 24 *existing authorities of the Secretary to provide assist-*
 25 *ance, which may include housing and related im-*

1 *provements, to Indian Tribes displaced as a result of*
2 *the construction of the John Day Dam, Columbia*
3 *River, Washington and Oregon.*

4 (3) *REPEAL.—Section 1178(c)(2) of the Water*
5 *Resources Development Act of 2016 (130 Stat. 1675)*
6 *is repealed.*

7 (c) *THE DALLES DAM, WASHINGTON AND OREGON.—*
8 *The Secretary, in consultation with the Secretary of the In-*
9 *terior, shall complete a village development plan for any*
10 *Indian Tribe displaced as a result of the construction of*
11 *the Dalles Dam, Columbia River, Washington and Oregon,*
12 *as authorized by section 204 of the Flood Control Act of*
13 *1950 (64 Stat. 179).*

14 **SEC. 114. DISSEMINATION OF INFORMATION.**

15 (a) *FINDINGS.—Congress finds the following:*

16 (1) *Congress plays a central role in identifying,*
17 *prioritizing, and authorizing vital water resources in-*
18 *frastructure activities throughout the United States.*

19 (2) *The Water Resources Reform and Develop-*
20 *ment Act of 2014 (Public Law 113–121) established*
21 *a new and transparent process to review and*
22 *prioritize the water resources development activities of*
23 *the Corps of Engineers with strong congressional over-*
24 *sight.*

1 (3) *Section 7001 of the Water Resources Reform*
2 *and Development Act of 2014 (33 U.S.C. 2282d) re-*
3 *quires the Secretary to develop and submit to Con-*
4 *gress each year a Report to Congress on Future Water*
5 *Resources Development and, as part of the annual re-*
6 *port process, to—*

7 (A) *publish a notice in the Federal Register*
8 *that requests from non-Federal interests proposed*
9 *feasibility studies and proposed modifications to*
10 *authorized water resources development projects*
11 *and feasibility studies for inclusion in the re-*
12 *port; and*

13 (B) *review the proposals submitted and in-*
14 *clude in the report those proposed feasibility*
15 *studies and proposed modifications that meet the*
16 *criteria for inclusion established under such sec-*
17 *tion 7001.*

18 (4) *Congress will use the information provided*
19 *in the annual Report to Congress on Future Water*
20 *Resources Development to determine authorization*
21 *needs and priorities for purposes of water resources*
22 *development legislation.*

23 (5) *To ensure that Congress can gain a thorough*
24 *understanding of the water resources development*
25 *needs and priorities of the United States, it is impor-*

1 *tant that the Secretary take sufficient steps to ensure*
2 *that non-Federal interests are made aware of the new*
3 *annual report process, including the need for non-*
4 *Federal interests to submit proposals during the Sec-*
5 *retary's annual request for proposals in order for such*
6 *proposals to be eligible for consideration by Congress.*

7 *(b) DISSEMINATION OF PROCESS INFORMATION.—The*
8 *Secretary shall develop, support, and implement education*
9 *and awareness efforts for non-Federal interests with respect*
10 *to the annual Report to Congress on Future Water Re-*
11 *sources Development required under section 7001 of the*
12 *Water Resources Reform and Development Act of 2014 (33*
13 *U.S.C. 2282d), including efforts to—*

14 *(1) develop and disseminate technical assistance*
15 *materials, seminars, and guidance on the annual*
16 *process as it relates to non-Federal interests;*

17 *(2) provide written notice to local elected offi-*
18 *cials and previous and potential non-Federal interests*
19 *on the annual process and on opportunities to address*
20 *local water resources challenges through the missions*
21 *and authorities of the Corps of Engineers;*

22 *(3) issue guidance for non-Federal interests to*
23 *assist such interests in developing proposals for water*
24 *resources development projects that satisfy the require-*
25 *ments of such section 7001; and*

1 (4) *provide, at the request of a non-Federal in-*
 2 *terest, assistance with researching and identifying ex-*
 3 *isting project authorizations and Corps of Engineers*
 4 *decision documents.*

5 **SEC. 115. NON-FEDERAL ENGAGEMENT AND REVIEW.**

6 (a) *PUBLIC NOTICE.—*

7 (1) *IN GENERAL.—Prior to developing and*
 8 *issuing any new or revised implementation guidance*
 9 *for a covered water resources development law, the*
 10 *Secretary shall issue a public notice that—*

11 (A) *informs potentially interested non-Fed-*
 12 *eral stakeholders of the Secretary's intent to de-*
 13 *velop and issue such guidance; and*

14 (B) *provides an opportunity for interested*
 15 *non-Federal stakeholders to engage with, and*
 16 *provide input and recommendations to, the Sec-*
 17 *retary on the development and issuance of such*
 18 *guidance.*

19 (2) *ISSUANCE OF NOTICE.—The Secretary shall*
 20 *issue the notice under paragraph (1) through a post-*
 21 *ing on a publicly accessible website dedicated to pro-*
 22 *viding notice on the development and issuance of im-*
 23 *plementation guidance for a covered water resources*
 24 *development law.*

25 (b) *STAKEHOLDER ENGAGEMENT.—*

1 (1) *INPUT.*—*The Secretary shall allow a min-*
2 *imum of 60 days after issuance of the public notice*
3 *under subsection (a) for non-Federal stakeholders to*
4 *provide input and recommendations to the Secretary,*
5 *prior to finalizing implementation guidance for a*
6 *covered water resources development law.*

7 (2) *OUTREACH.*—*The Secretary may, as appro-*
8 *priate (as determined by the Secretary), reach out to*
9 *non-Federal stakeholders and circulate drafts of im-*
10 *plementation guidance for a covered water resources*
11 *development law for informal feedback and rec-*
12 *ommendations.*

13 (c) *DEVELOPMENT OF GUIDANCE.*—*When developing*
14 *implementation guidance for a covered water resources de-*
15 *velopment law, the Secretary shall take into consideration*
16 *the input and recommendations received from non-Federal*
17 *stakeholders, and make the final guidance available to the*
18 *public on-line on a publicly accessible website.*

19 (d) *COVERED WATER RESOURCES DEVELOPMENT*
20 *LAW.*—*In this section, the term “covered water resources*
21 *development law” means—*

22 (1) *the Water Resources Reform and Develop-*
23 *ment Act of 2014;*

24 (2) *the Water Resources Development Act of*
25 *2016;*

1 (3) *this Act; and*

2 (4) *any Federal water resources development law*
3 *enacted after the date of enactment of this Act.*

4 **SEC. 116. COMPREHENSIVE BACKLOG REPORT.**

5 *Section 1001(b)(4) of the Water Resources Develop-*
6 *ment Act of 1986 (33 U.S.C. 579a(b)(4)) is amended—*

7 (1) *in the header, by inserting “AND OPERATION*
8 *AND MAINTENANCE” after “BACKLOG”;*

9 (2) *by amending subparagraph (A) to read as*
10 *follows:*

11 “(A) *IN GENERAL.—The Secretary shall*
12 *compile and publish—*

13 “(i) *a complete list of all projects and*
14 *separable elements of projects of the Corps of*
15 *Engineers that are authorized for construc-*
16 *tion but have not been completed; and*

17 “(ii) *a list of major Federal operation*
18 *and maintenance needs of projects and*
19 *properties under the control of the Corps of*
20 *Engineers.”;*

21 (3) *in subparagraph (B)—*

22 (A) *in the heading, by inserting “BACKLOG”*
23 *before “INFORMATION”; and*

1 (B) in the matter preceding clause (i), by
 2 striking “subparagraph (A)” and inserting “sub-
 3 paragraph (A)(i)”;

4 (4) by redesignating subparagraph (C) as sub-
 5 paragraph (D) and inserting after subparagraph (B)
 6 the following:

7 “(C) *REQUIRED OPERATION AND MAINTENANCE INFORMATION.*—*The Secretary shall include on the list developed under subparagraph*
 8 *include on the list developed under subparagraph*
 9 *(A)(ii), for each project and property under the*
 10 *control of the Corps of Engineers on that list—*

11 “(i) *the authority under which the*
 12 *project was authorized or the property was*
 13 *acquired by the Corps of Engineers;*

14 “(ii) *a brief description of the project*
 15 *or property;*

16 “(iii) *an estimate of the Federal costs*
 17 *to meet the major operation and maintenance*
 18 *needs at the project or property; and*

19 “(iv) *an estimate of unmet or deferred*
 20 *operation and maintenance needs at the*
 21 *project or property.”; and*

22 (5) in subparagraph (D), as so redesignated—

23 (A) in clause (i), in the matter preceding
 24 subclause (I), by striking “Not later than 1 year
 25

1 *after the date of enactment of this paragraph, the*
 2 *Secretary shall submit a copy of the list” and*
 3 *inserting “For fiscal year 2019, and biennially*
 4 *thereafter, in conjunction with the President’s*
 5 *annual budget submission to Congress under sec-*
 6 *tion 1105(a) of title 31, United States Code, the*
 7 *Secretary shall submit a copy of the lists”; and*
 8 *(B) in clause (ii), by striking “list” and in-*
 9 *serting “lists”.*

10 **SEC. 117. STRUCTURES AND FACILITIES CONSTRUCTED BY**
 11 **SECRETARY.**

12 *Section 14 of the Act of March 3, 1899 (33 U.S.C. 408)*
 13 *is amended by adding at the end the following:*
 14 *“(d) WORK DEFINED.—For the purposes of this sec-*
 15 *tion, the term ‘work’ shall not include unimproved real es-*
 16 *tate owned or operated by the Secretary as part of a water*
 17 *resources development project if the Secretary determines*
 18 *that modification of such real estate would not affect the*
 19 *function and usefulness of the project.”.*

20 **SEC. 118. TRANSPARENCY IN ADMINISTRATIVE EXPENSES.**

21 *Section 1012(b)(1) of the Water Resources Reform and*
 22 *Development Act of 2014 (33 U.S.C. 2315a(b)(1)) is amend-*
 23 *ed by striking “The Secretary” and inserting “Not later*
 24 *than 1 year after the date of enactment of the Water Re-*
 25 *sources Development Act of 2018, the Secretary”.*

1 **SEC. 119. STUDY OF THE FUTURE OF THE UNITED STATES**

2 **ARMY CORPS OF ENGINEERS.**

3 (a) *IN GENERAL.*—The Secretary shall enter into an
4 agreement with the National Academy of Sciences to con-
5 vene a committee of experts to carry out a comprehensive
6 study on—

7 (1) *the ability of the Corps of Engineers to carry*
8 *out its statutory missions and responsibilities, and*
9 *the potential effects of transferring the functions (in-*
10 *cluding regulatory obligations), personnel, assets, and*
11 *civilian staff responsibilities of the Secretary relating*
12 *to civil works from the Department of Defense to a*
13 *new or existing agency or subagency of the Federal*
14 *Government, including how such a transfer might af-*
15 *fect the Federal Government’s ability to meet the cur-*
16 *rent statutory missions and responsibilities of the*
17 *Corps of Engineers; and*

18 (2) *improving the Corps of Engineers’ project de-*
19 *livery processes, including recommendations for such*
20 *improvements, taking into account factors includ-*
21 *ing—*

22 (A) *the effect of the annual appropriations*
23 *process on the ability of the Corps of Engineers*
24 *to efficiently secure and carry out contracts for*
25 *water resources projects and perform regulatory*
26 *obligations;*

1 (B) the effect that the current Corps of En-
2 gineers leadership and geographic structure at
3 the division and district levels has on its ability
4 to carry out its missions in a cost-effective man-
5 ner; and

6 (C) the effect of the frequency of rotations of
7 senior leaders of the Corps of Engineers and how
8 such frequency affects the function of the district.

9 (b) CONSIDERATIONS.—The study carried out under
10 subsection (a) shall include consideration of—

11 (1) effects on the national security of the United
12 States;

13 (2) the ability of the Corps of Engineers to
14 maintain sufficient engineering capability and capac-
15 ity to assist ongoing and future operations of the
16 United States armed services; and

17 (3) emergency and natural disaster response ob-
18 ligations of the Federal Government that are carried
19 out by the Corps of Engineers.

20 (c) CONSULTATION.—The agreement entered into
21 under subsection (a) shall require the National Academy
22 to, in carrying out the study, consult with—

23 (1) the Department of Defense, including the
24 Secretary of the Army and the Assistant Secretary of
25 the Army for Civil Works;

- 1 (2) *the Department of Transportation;*
- 2 (3) *the Environmental Protection Agency;*
- 3 (4) *the Department of Homeland Security;*
- 4 (5) *the Office of Management and Budget;*
- 5 (6) *other appropriate Federal agencies;*
- 6 (7) *professional and nongovernmental organiza-*
7 *tions; and*
- 8 (8) *the Committee on Transportation and Infra-*
9 *structure of the House of Representatives and the*
10 *Committee on Environment and Public Works of the*
11 *Senate.*

12 (d) *SUBMISSION TO CONGRESS.—The Secretary shall*
13 *submit the final report of the National Academy containing*
14 *the findings of the study carried out under subsection (a)*
15 *to the Committee on Transportation and Infrastructure of*
16 *the House of Representatives and the Committee on Envi-*
17 *ronment and Public Works of the Senate not later than 2*
18 *years after the date of enactment of this Act.*

19 **SEC. 120. ACKNOWLEDGMENT OF CREDIT.**

20 *Section 7007(a) of the Water Resources Development*
21 *Act of 2007 (121 Stat. 1277; 128 Stat. 1226) is amended*
22 *by adding at the end the following: “Notwithstanding sec-*
23 *tion 221(a)(4)(C)(i) of the Flood Control Act of 1970 (42*
24 *U.S.C. 1962d–5b(a)(4)(C)(i)), the Secretary may provide*
25 *credit for work carried out during the period beginning on*

1 November 8, 2007, and ending on the date of enactment
 2 of the Water Resources Development Act of 2018 by the non-
 3 Federal interest for a project under this title if the Secretary
 4 determines that the work is integral to the project and was
 5 carried out in accordance with the laws specified in section
 6 5014(i)(2)(A) of the Water Resources Reform and Develop-
 7 ment Act of 2014 (128 Stat. 1331) and all other applicable
 8 Federal laws.”.

9 **SEC. 121. NON-FEDERAL IMPLEMENTATION PILOT PRO-**
 10 **GRAM.**

11 Section 1043(b)(8) of the Water Resources Reform and
 12 Development Act of 2014 (33 U.S.C. 2201 note(b)(8)) is
 13 amended by striking “2015 through 2019” and inserting
 14 “2019 through 2023”.

15 **SEC. 122. STUDY OF WATER RESOURCES DEVELOPMENT**
 16 **PROJECTS BY NON-FEDERAL INTERESTS.**

17 Section 203 of the Water Resources Development Act
 18 of 1986 (33 U.S.C. 2231) is amended—

19 (1) in subsection (a)(1), by inserting “federally
 20 authorized” before “feasibility study”;

21 (2) by amending subsection (c) to read as fol-
 22 lows:

23 “(c) **SUBMISSION TO CONGRESS.**—

24 “(1) **REVIEW AND SUBMISSION OF STUDIES TO**
 25 **CONGRESS.**—Not later than 180 days after the date of

1 *receipt of a feasibility study of a project under sub-*
 2 *section (a)(1), the Secretary shall submit to the Com-*
 3 *mittee on Environment and Public Works of the Sen-*
 4 *ate and the Committee on Transportation and Infra-*
 5 *structure of the House of Representatives a report that*
 6 *describes—*

7 *“(A) the results of the Secretary’s review of*
 8 *the study under subsection (b), including a deter-*
 9 *mination of whether the project is feasible;*

10 *“(B) any recommendations the Secretary*
 11 *may have concerning the plan or design of the*
 12 *project; and*

13 *“(C) any conditions the Secretary may re-*
 14 *quire for construction of the project.*

15 *“(2) LIMITATION.—The completion of the review*
 16 *by the Secretary of a feasibility study that has been*
 17 *submitted under subsection (a)(1) may not be delayed*
 18 *as a result of consideration being given to changes in*
 19 *policy or priority with respect to project consider-*
 20 *ation.”; and*

21 *(3) by amending subsection (e) to read as fol-*
 22 *lows:*

23 *“(e) REVIEW AND TECHNICAL ASSISTANCE.—*

24 *“(1) REVIEW.—The Secretary may accept and*
 25 *expend funds provided by non-Federal interests to un-*

1 *dertake reviews, inspections, certifications, and other*
 2 *activities that are the responsibility of the Secretary*
 3 *in carrying out this section.*

4 “(2) *TECHNICAL ASSISTANCE.*—*At the request of*
 5 *a non-Federal interest, the Secretary shall provide to*
 6 *the non-Federal interest technical assistance relating*
 7 *to any aspect of a feasibility study if the non-Federal*
 8 *interest contracts with the Secretary to pay all costs*
 9 *of providing such technical assistance.*

10 “(3) *LIMITATION.*—*Funds provided by non-Fed-*
 11 *eral interests under this subsection shall not be eligi-*
 12 *ble for credit under subsection (d) or reimbursement.*

13 “(4) *IMPARTIAL DECISIONMAKING.*—*In carrying*
 14 *out this section, the Secretary shall ensure that the*
 15 *use of funds accepted from a non-Federal interest will*
 16 *not affect the impartial decisionmaking of the Sec-*
 17 *retary, either substantively or procedurally.”.*

18 **SEC. 123. CONSTRUCTION OF WATER RESOURCES DEVELOP-**
 19 **MENT PROJECTS BY NON-FEDERAL INTER-**
 20 **ESTS.**

21 *Section 204 of the Water Resources Development Act*
 22 *of 1986 (33 U.S.C. 2232) is amended—*

23 *(1) in subsection (b)—*

24 *(A) in paragraph (1), in the matter pre-*
 25 *ceding subparagraph (A), by inserting “federally*

1 *authorized” before “water resources development*
 2 *project”;*

3 *(B) in paragraph (2)(A), by inserting “, ex-*
 4 *cept as provided in paragraph (3)” before the*
 5 *semicolon; and*

6 *(C) by adding at the end the following:*

7 *“(3) PERMIT EXCEPTION.—*

8 *“(A) IN GENERAL.—For a project described*
 9 *in subsection (a)(1) or subsection (a)(3), or a*
 10 *separable element thereof, with respect to which*
 11 *a written agreement described in subparagraph*
 12 *(B) has been entered into, a non-Federal interest*
 13 *that carries out a project under this section shall*
 14 *not be required to obtain any Federal permits or*
 15 *approvals that would not be required if the Sec-*
 16 *retary carried out the project or separable ele-*
 17 *ment unless significant new circumstances or in-*
 18 *formation relevant to environmental concerns or*
 19 *compliance have arisen since development of the*
 20 *project recommendation.*

21 *“(B) WRITTEN AGREEMENT.—For purposes*
 22 *of this paragraph, a written agreement shall pro-*
 23 *vide that the non-Federal interest shall comply*
 24 *with the same legal and technical requirements*
 25 *that would apply if the project or separable ele-*

ment were carried out by the Secretary, including all mitigation required to offset environmental impacts of the project or separable element as determined by the Secretary.

“(C) *CERTIFICATIONS.*—Notwithstanding subparagraph (A), if a non-Federal interest carrying out a project under this section would, in the absence of a written agreement entered into under this paragraph, be required to obtain a certification from a State under Federal law to carry out the project, such certification shall still be required if a written agreement is entered into with respect to the project under this paragraph.”; and

(2) in subsection (d)—

(A) in paragraph (3)—

(i) in subparagraph (A), by striking “; and” and inserting a semicolon;

(ii) in subparagraph (B)(ii), by striking the period at the end and inserting “; and”; and

(iii) by adding at the end the following:

“(C) in the case of reimbursement, appropriations are provided by Congress for such purpose.”; and

(B) in paragraph (5)—

(i) by striking “flood damage reduction” each place it appears and inserting “water resources development”;

(ii) in subparagraph (A), by striking “for a discrete segment of a” and inserting “for carrying out a discrete segment of a federally authorized”; and

(iii) in subparagraph (D), in the matter preceding clause (i), by inserting “to be carried out” after “project”.

SEC. 124. ADVANCED FUNDS FOR WATER RESOURCES DEVELOPMENT STUDIES AND PROJECTS.

(a) CONTRIBUTIONS BY STATES AND POLITICAL SUBDIVISIONS FOR IMMEDIATE USE ON AUTHORIZED FLOOD-CONTROL WORK; REPAYMENT.—The Act of October 15, 1940 (54 Stat. 1176; 33 U.S.C. 701h–1) is amended—

(1) by striking “a flood-control project duly adopted and authorized by law” and inserting “a federally authorized water resources development project,”;

1 (2) by striking “such work” and inserting “such
2 project”;

3 (3) by striking “from appropriations which may
4 be provided by Congress for flood-control work” and
5 inserting “if appropriations are provided by Congress
6 for such purpose”; and

7 (4) by adding at the end the following: “For pur-
8 poses of this Act, the term ‘State’ means the several
9 States, the District of Columbia, the commonwealths,
10 territories, and possessions of the United States, and
11 Indian tribes (as defined in section 4(e) of the Indian
12 Self-Determination and Education Assistance Act (25
13 U.S.C. 5304(e))).”.

14 (b) *NO ADVERSE EFFECT ON PROCESSES.*—In imple-
15 menting any provision of law that authorizes a non-Federal
16 interest to provide, advance, or contribute funds to the Sec-
17 retary for the development or implementation of a water
18 resources development project (including sections 203 and
19 204 of the Water Resources Development Act of 1986 (33
20 U.S.C. 2231, 2232), section 5 of the Act of June 22, 1936
21 (33 U.S.C. 701h), and the Act of October 15, 1940 (33
22 U.S.C. 701h–1)), the Secretary shall ensure, to the max-
23 imum extent practicable, that the use by a non-Federal in-
24 terest of such authorities does not adversely affect—

1 (1) *the process or timeline for development and*
 2 *implementation of other water resources development*
 3 *projects by other non-Federal entities that do not use*
 4 *such authorities; or*

5 (2) *the process for including such projects in the*
 6 *President’s annual budget submission to Congress*
 7 *under section 1105(a) of title 31, United States Code.*

8 (c) *ADVANCES BY PRIVATE PARTIES; REPAYMENT.—*
 9 *Section 11 of the Act of March 3, 1925 (Chapter 467; 33*
 10 *U.S.C. 561) is repealed.*

11 **SEC. 125. FUNDING TO PROCESS PERMITS.**

12 *Section 214(a) of the Water Resources Development*
 13 *Act of 2000 (33 U.S.C. 2352(a)) is amended—*

14 (1) *in paragraph (3), by striking “10 years” and*
 15 *inserting “12 years”; and*

16 (2) *in paragraph (5)—*

17 (A) *by striking “4 years after the date of*
 18 *enactment of this paragraph” and inserting “De-*
 19 *cember 31, 2022”; and*

20 (B) *by striking “carry out a study” and in-*
 21 *serting “carry out a followup study”.*

1 **SEC. 126. STUDY ON ECONOMIC AND BUDGETARY ANAL-**
2 **YSES.**

3 (a) *IN GENERAL.*—Not later than 180 days after the
4 date of enactment of this Act, the Secretary shall enter into
5 an agreement with the National Academy of Sciences to—

6 (1) *carry out a study on the economic principles*
7 *and analytical methodologies currently used by or ap-*
8 *plied to the Corps of Engineers to formulate, evaluate,*
9 *and budget for water resources development projects;*
10 *and*

11 (2) *make recommendations to Congress on poten-*
12 *tial changes to such principles and methodologies to*
13 *improve transparency, return on Federal investment,*
14 *cost savings, and prioritization, in the formulation,*
15 *evaluation, and budgeting of such projects.*

16 (b) *CONSIDERATIONS.*—The study under subsection (a)
17 shall include—

18 (1) *an analysis of the current economic prin-*
19 *ciples and analytical methodologies used by or ap-*
20 *plied to the Corps of Engineers in determining the*
21 *total benefits and total costs during the formulation*
22 *of, and plan selection for, a water resources develop-*
23 *ment project;*

24 (2) *an analysis of improvements or alternatives*
25 *to how the Corps of Engineers utilizes the National*
26 *Economic Development, Regional Economic Develop-*

1 *ment, Environmental Quality, and Other Social Ef-*
2 *fects accounts developed by the Institute for Water Re-*
3 *sources of the Corps of Engineers in the formulation*
4 *of, and plan selection for, such projects;*

5 *(3) an analysis of whether such principles and*
6 *methodologies fully account for all of the potential*
7 *benefits of project alternatives, including any reason-*
8 *ably associated benefits of such alternatives that are*
9 *not contrary to law, Federal policy, or sound water*
10 *resources management;*

11 *(4) an analysis of whether such principles and*
12 *methodologies fully account for all of the costs of*
13 *project alternatives, including potential societal costs,*
14 *such as lost ecosystem services, and full lifecycle costs*
15 *for such alternatives; and*

16 *(5) an analysis of the methodologies utilized by*
17 *the Federal Government in setting and applying dis-*
18 *count rates for benefit-cost analyses used in the for-*
19 *mulation, evaluation, and budgeting of Corps of En-*
20 *gineers water resources development projects.*

21 *(c) PUBLICATION.—The agreement entered into under*
22 *subsection (a) shall require the National Academy of*
23 *Sciences to, not later than 30 days after the completion of*
24 *the study—*

1 (1) *submit a report containing the results of the*
2 *study and the recommendations to the Committee on*
3 *Environment and Public Works of the Senate and the*
4 *Committee on Transportation and Infrastructure of*
5 *the House of Representatives; and*

6 (2) *make a copy of such report available on a*
7 *publicly accessible website.*

8 (d) *SENSE OF CONGRESS ON BUDGETARY EVALUATION*
9 *METRICS AND TRANSPARENCY.—It is the sense of Congress*
10 *that the President, in the formulation of the annual budget*
11 *request for the U.S. Army Corps of Engineers (Civil Works),*
12 *should submit to Congress a budget that—*

13 (1) *aligns the assessment of the potential benefit-*
14 *cost ratio for budgeting water resources development*
15 *projects with that used by the Corps of Engineers dur-*
16 *ing project plan formulation and evaluation pursuant*
17 *to section 80 of the Water Resources Development Act*
18 *of 1974 (42 U.S.C. 1962d–17); and*

19 (2) *demonstrates the transparent criteria and*
20 *metrics utilized by the President in the evaluation*
21 *and selection of water resources development projects*
22 *included in the budget request.*

1 **SEC. 127. STUDY OF CORROSION MANAGEMENT AT CORPS**
2 **OF ENGINEERS PROJECTS.**

3 (a) *IN GENERAL.*—Not later than 1 year after the date
4 of enactment of this Act, the Comptroller General of the
5 United States shall submit to the Committee on Transpor-
6 tation and Infrastructure of the House of Representatives
7 and the Committee on Environment and Public Works of
8 the Senate a study of corrosion management efforts at
9 projects and properties under the control of the Corps of
10 Engineers.

11 (b) *REQUIREMENTS.*—The study under subsection (a)
12 shall include—

13 (1) *an analysis of—*

14 (A) *asset management protocols that are*
15 *utilized by the Corps of Engineers, including*
16 *protocols that examine both asset integrity and*
17 *the integration of corrosion management efforts*
18 *within the asset lifecycle, which includes the*
19 *stages of design, manufacturing and construc-*
20 *tion, operation and maintenance, and decommis-*
21 *sioning;*

22 (B) *available corrosion prevention tech-*
23 *nologies that may be used at projects and prop-*
24 *erties under the control of the Corps of Engi-*
25 *neers;*

1 (C) corrosion-related asset failures and the
 2 management protocols of the Corps of Engineers
 3 to incorporate lessons learned from such failures
 4 into work and management practices;

5 (D) training of Corps of Engineers employ-
 6 ees with respect to, and best practices for, identi-
 7 fying and preventing corrosion at projects and
 8 properties under the control of the Corps of En-
 9 gineers; and

10 (E) the estimated costs and anticipated ben-
 11 efits, including safety benefits, associated with
 12 the integration of corrosion management efforts
 13 within the asset lifecycle; and

14 (2) a description of Corps of Engineers, stake-
 15 holder, and expert perspectives on the effectiveness of
 16 corrosion management efforts to reduce the incidence
 17 of corrosion at projects and properties under the con-
 18 trol of the Corps of Engineers.

19 **SEC. 128. COSTS IN EXCESS OF FEDERAL PARTICIPATION**
 20 **LIMIT.**

21 Section 14 of the Flood Control Act of 1946 (33 U.S.C.
 22 701r) is amended by inserting “, and if such amount is
 23 not sufficient to cover the costs included in the Federal cost
 24 share for a project, as determined by the Secretary, the non-

1 *Federal interest shall be responsible for any such costs that*
 2 *exceed such amount” before the period at the end.*

3 **SEC. 129. REPORT ON INNOVATIVE MATERIALS.**

4 *Not later than 1 year after the date of enactment of*
 5 *this Act, the Secretary shall submit to Congress a report*
 6 *that describes activities conducted by the Corps of Engineers*
 7 *at centers of expertise, technology centers, technical centers,*
 8 *research and development centers, and similar facilities and*
 9 *organizations relating to the testing, research, development,*
 10 *identification, and recommended uses for innovative mate-*
 11 *rials in water resources development projects.*

12 **SEC. 130. STUDY ON CORPS OF ENGINEERS.**

13 *Not later than 180 days after the date of enactment*
 14 *of this Act, the Comptroller General of the United States*
 15 *shall submit to Congress a report that—*

16 *(1) describes the capacity and preparedness of*
 17 *the Corps of Engineers workforce, including challenges*
 18 *related to diversity, recruitment, retention, retire-*
 19 *ments, credentialing, professional development, on-*
 20 *the-job training, and other readiness-related gaps in*
 21 *ensuring a fully prepared 21st century Corps of Engi-*
 22 *neers workforce; and*

23 *(2) contains an assessment of the existing tech-*
 24 *nology used by the Corps of Engineers, the effects of*
 25 *inefficiencies in the Corps’ current technology usage,*

1 *and recommendations for improved technology or*
2 *tools to accomplish its missions and responsibilities.*

3 **SEC. 131. GAO STUDY.**

4 *(a) IN GENERAL.—Not later than 2 years after the*
5 *date of enactment of this Act, the Comptroller General of*
6 *the United States shall submit to the Committee on Envi-*
7 *ronment and Public Works of the Senate and the Committee*
8 *on Transportation and Infrastructure of the House of Rep-*
9 *resentatives a study of the consideration by the Corps of*
10 *Engineers of natural features and nature-based features in*
11 *the study of the feasibility of projects for flood risk manage-*
12 *ment, hurricane and storm damage reduction, and eco-*
13 *system restoration.*

14 *(b) CONSIDERATIONS.—The study under subsection (a)*
15 *shall include—*

16 *(1) a description of guidance or instructions*
17 *issued, and other measures taken, by the Secretary*
18 *and the Chief of Engineers to consider natural fea-*
19 *tures and nature-based features in project feasibility*
20 *studies;*

21 *(2) an assessment of the costs, benefits, impacts,*
22 *and trade-offs associated with natural features and*
23 *nature-based features recommended by the Secretary*
24 *for flood risk reduction, hurricane and storm damage*
25 *reduction, and ecosystem restoration projects, and the*

1 *effectiveness of those natural features and nature-*
 2 *based features;*

3 *(3) a description of any statutory, fiscal, regu-*
 4 *latory, or other policy barriers to the appropriate*
 5 *consideration and use of a full array of natural fea-*
 6 *tures and nature-based features; and*

7 *(4) any recommendations for changes to statu-*
 8 *tory, fiscal, regulatory, or other policies to improve*
 9 *the use of natural features and nature-based features*
 10 *by the Corps of Engineers.*

11 *(c) DEFINITIONS.—In this section, the terms “natural*
 12 *feature” and “nature-based feature” have the meanings*
 13 *given such terms in section 1184 of the Water Resources*
 14 *Development Act of 2016 (33 U.S.C. 2289a).*

15 **SEC. 132. GAO REPORT ON ALASKA NATIVE VILLAGE RELO-**
 16 **CATION EFFORTS DUE TO FLOODING AND**
 17 **EROSION THREATS.**

18 *(a) DEFINITION OF ALASKA NATIVE VILLAGE.—In this*
 19 *section, the term “Alaska Native village” means a Native*
 20 *village that has a Village Corporation (as those terms are*
 21 *defined in section 3 of the Alaska Native Claims Settlement*
 22 *Act (43 U.S.C. 1602)).*

23 *(b) REPORT.—The Comptroller General of the United*
 24 *States shall submit to Congress a report on efforts to relo-*
 25 *cate Alaska Native villages due to flooding and erosion*

1 *threats that updates the report of the Comptroller General*
2 *entitled “Alaska Native Villages: Limited Progress Has*
3 *Been Made on Relocating Villages Threatened by Flooding*
4 *and Erosion”, dated June 2009.*

5 *(c) INCLUSIONS.—The report under subsection (b)*
6 *shall include—*

7 *(1) a summary of flooding and erosion threats to*
8 *Alaska Native villages throughout the State of Alaska,*
9 *based on information from—*

10 *(A) the Corps of Engineers;*

11 *(B) the Denali Commission; and*

12 *(C) any other relevant sources of informa-*
13 *tion as the Comptroller General determines to be*
14 *appropriate;*

15 *(2) the status of efforts to relocate Alaska Native*
16 *villages due to flooding and erosion threats; and*

17 *(3) any other issues relating to flooding and ero-*
18 *sion threats to, or relocation of, Alaska Native vil-*
19 *lages, as the Comptroller General determines to be ap-*
20 *propriate.*

21 **SEC. 133. STUDY AND REPORT ON EXPEDITING CERTAIN**
22 **WAIVER PROCESSES.**

23 *Not later than 1 year after the date of enactment of*
24 *this Act, the Secretary shall complete and submit to the*
25 *Committee on Environment and Public Works of the Senate*

1 *and the Committee on Transportation and Infrastructure*
 2 *of the House of Representatives a report based on the results*
 3 *of a study on the best options available to the Secretary*
 4 *to implement the waiver process for the non-Federal cost*
 5 *share under section 116 of the Energy and Water Develop-*
 6 *ment and Related Agencies Appropriations Act, 2010 (Pub-*
 7 *lic Law 111–85; 123 Stat. 2851).*

8 **SEC. 134. CORPS OF ENGINEERS CONTINUING AUTHORI-**
 9 **TIES PROGRAM.**

10 *Section 107 of the River and Harbor Act of 1960 (33*
 11 *U.S.C. 577) is amended—*

12 *(1) in subsection (a), by striking “\$50,000,000”*
 13 *and inserting “\$62,500,000”; and*

14 *(2) in subsection (b), by striking “\$10,000,000”*
 15 *and inserting “\$12,500,000”.*

16 **SEC. 135. CREDIT IN LIEU OF REIMBURSEMENT.**

17 *Section 1022 of the Water Resources Reform and De-*
 18 *velopment Act of 2014 (33 U.S.C. 2225) is amended to read*
 19 *as follows:*

20 **“SEC. 1022. CREDIT IN LIEU OF REIMBURSEMENT.**

21 *“(a) REQUESTS FOR CREDITS.—With respect to an*
 22 *authorized flood damage reduction project, or separable ele-*
 23 *ment thereof, that has been constructed by a non-Federal*
 24 *interest under section 211 of the Water Resources Develop-*
 25 *ment Act of 1996 (33 U.S.C. 701b–13), or an authorized*

1 coastal navigation project that has been constructed by the
 2 Corps of Engineers pursuant to section 11 of the Act of
 3 March 3, 1925, before the date of enactment of the Water
 4 Resources Development Act of 2018, the Secretary may pro-
 5 vide to the non-Federal interest, at the request of the non-
 6 Federal interest, a credit in an amount equal to the esti-
 7 mated Federal share of the cost of the project or separable
 8 element, in lieu of providing to the non-Federal interest a
 9 reimbursement in that amount.

10 “(b) *APPLICATION OF CREDITS.*—At the request of the
 11 non-Federal interest, the Secretary may apply such credit
 12 to the share of the cost of the non-Federal interest of car-
 13 rying out other flood damage reduction and coastal naviga-
 14 tion projects or studies.”.

15 **SEC. 136. LAKE OKEECHOBEE REGULATION SCHEDULE RE-**
 16 **VIEW.**

17 The Secretary, acting through the Chief of Engineers,
 18 shall expedite completion of the Lake Okeechobee regulation
 19 schedule to coincide with the completion of the Herbert Hoo-
 20 ver Dike project, and may consider all relevant aspects of
 21 the Comprehensive Everglades Restoration Plan described
 22 in section 601 of the Water Resources Development Act of
 23 2000 (114 Stat. 2680).

1 **SEC. 137. MISSOURI RIVER.**

2 (a) *IRC REPORT.*—Not later than 18 months after the
3 date of enactment of this Act, the Secretary shall submit
4 to the Committee on Transportation and Infrastructure of
5 the House of Representatives and the Committee on Envi-
6 ronment and Public Works of the Senate a report regarding
7 the impacts of interception-rearing complex construction on
8 the navigation, flood control, and other authorized purposes
9 set forth in the Missouri River Master Manual, and on the
10 population recovery of the pallid sturgeon.

11 (b) *NO ADDITIONAL IRC CONSTRUCTION.*—Until the
12 report under subsection (a) is submitted, no additional
13 interception-rearing complex construction is authorized.

14 **SEC. 138. ACCESS TO REAL ESTATE DATA.**

15 (a) *IN GENERAL.*—As soon as is practicable, using
16 available funds, the Secretary shall make publicly available,
17 including on a publicly accessible website, information re-
18 lating to all real property with respect to which the Corps
19 of Engineers holds an interest. The information shall in-
20 clude standardized real estate plat descriptions and
21 geospatial information.

22 (b) *LIMITATION.*—Nothing in this section may be con-
23 strued to compel or authorize the disclosure of data or other
24 information determined by the Secretary to be confidential,
25 privileged, national security, or personal information, or

1 *information the disclosure of which is otherwise prohibited*
2 *by law.*

3 ***SEC. 139. AQUATIC INVASIVE SPECIES RESEARCH.***

4 *(a) IN GENERAL.—As part of the ongoing activities*
5 *of the Engineer Research and Development Center to ad-*
6 *dress the spread and impacts of aquatic invasive species,*
7 *the Secretary shall undertake research on the management*
8 *and eradication of aquatic invasive species, including*
9 *Asian carp and zebra mussels.*

10 *(b) LOCATIONS.—In carrying out subsection (a), the*
11 *Secretary shall work with Corps of Engineers district offices*
12 *representing diverse geographical regions of the continental*
13 *United States that are impacted by aquatic invasive spe-*
14 *cies, such as the Atlantic, Pacific, and Gulf coasts and the*
15 *Great Lakes.*

16 *(c) REPORT.—Not later than 180 days after the date*
17 *of enactment of this section, the Secretary shall submit to*
18 *the Committee on Transportation and Infrastructure of the*
19 *House of Representatives and the Committee on Environ-*
20 *ment and Public Works of the Senate a report recom-*
21 *mending a plan to address the spread and impacts of*
22 *aquatic invasive species.*

1 **SEC. 140. HARMFUL ALGAL BLOOM TECHNOLOGY DEM-**
2 **ONSTRATION.**

3 (a) *IN GENERAL.*—*The Secretary, acting through the*
4 *Engineer Research and Development Center of the Chief of*
5 *Engineers, shall implement a 5-year harmful algal bloom*
6 *technology development demonstration under the Aquatic*
7 *Nuisance Research Program. To the extent practicable, the*
8 *Corps of Engineers shall support research that will identify*
9 *and develop improved strategies for early detection, preven-*
10 *tion, and management techniques and procedures to reduce*
11 *the occurrence and effects of harmful algal blooms in the*
12 *Nation’s water resources.*

13 (b) *SCALABILITY REQUIREMENT.*—*The Secretary shall*
14 *ensure that technologies identified, tested, and deployed*
15 *under the harmful algal bloom program technology develop-*
16 *ment demonstration have the ability to scale up to meet*
17 *the needs of harmful-algal-bloom-related events.*

18 **SEC. 141. BUBBLY CREEK, CHICAGO ECOSYSTEM RESTORA-**
19 **TION.**

20 *The Secretary shall enter into a memorandum of un-*
21 *derstanding with the Administrator of the Environmental*
22 *Protection Agency to facilitate ecosystem restoration activi-*
23 *ties at the South Fork of the South Branch of the Chicago*
24 *River (commonly known as Bubbly Creek).*

1 **SEC. 142. OPERATION AND MAINTENANCE OF NAVIGATION**
 2 **AND HYDROELECTRIC FACILITIES.**

3 (a) *IN GENERAL.*—Section 314 of the Water Resources
 4 Development Act of 1990 (33 U.S.C. 2321) is amended—

5 (1) in the heading by inserting “**NAVIGATION**
 6 **AND**” before “**HYDROELECTRIC FACILITIES**”;

7 (2) in the first sentence, by striking “Activities
 8 currently performed” and inserting the following:

9 “(a) *IN GENERAL.*—Activities currently performed”;

10 (3) in subsection (a) (as designated by para-
 11 graph (2)), by inserting “navigation or” before “hy-
 12 droelectric”;

13 (4) in the second sentence, by striking “This sec-
 14 tion” and inserting the following:

15 “(b) *MAJOR MAINTENANCE CONTRACTS ALLOWED.*—
 16 This section”; and

17 (5) by adding at the end the following:

18 “(c) *EXCLUSION.*—This section does not—

19 “(1) apply to a navigation facility that was
 20 under contract on or before the date of enactment of
 21 this subsection with a non-Federal interest to perform
 22 operations or maintenance; and

23 “(2) prohibit the Secretary from contracting out
 24 commercial activities after the date of enactment of
 25 this subsection at a navigation facility.”.

1 (b) *CLERICAL AMENDMENT.*—*The table of contents*
 2 *contained in section 1(b) of the Water Resources Develop-*
 3 *ment Act of 1990 (104 Stat. 4604) is amended by striking*
 4 *the item relating to section 314 and inserting the following:*

“Sec. 314. Operation and maintenance of navigation and hydroelectric facilities.”.

5 **SEC. 143. HURRICANE AND STORM DAMAGE REDUCTION.**

6 *Section 156 of the Water Resources Development Act*
 7 *of 1976 (42 U.S.C. 1962d–5f) is amended in subsection*
 8 *(b)—*

9 *(1) by striking “Notwithstanding” and inserting*
 10 *the following:*

11 *“(1) IN GENERAL.—Notwithstanding”; and*

12 *(2) by adding at the end the following:*

13 *“(2) TIMING.—The 15 additional years under*
 14 *paragraph (1) shall begin on the date of initiation of*
 15 *construction of congressionally authorized nourish-*
 16 *ment.”.*

17 **SEC. 144. POST-DISASTER WATERSHED ASSESSMENTS IN**
 18 **THE TERRITORIES OF THE UNITED STATES.**

19 *Section 3025 of the Water Resources Reform and De-*
 20 *velopment Act of 2014 (33 U.S.C. 2267b) is amended by*
 21 *adding at the end the following:*

22 *“(e) ASSESSMENTS IN THE TERRITORIES OF THE*
 23 *UNITED STATES.—*

1 “(1) *IN GENERAL.*—*For any major disaster de-*
 2 *clared in the territories of the United States before the*
 3 *date of enactment of this subsection, all activities in*
 4 *the territory carried out or undertaken pursuant to*
 5 *the authorities described under this section shall be*
 6 *conducted at full Federal expense unless the President*
 7 *determines that the territory has the ability to pay*
 8 *the cost share for an assessment under this section*
 9 *without the use of non-Federal funds or loans.*

10 “(2) *TERRITORIES DEFINED.*—*In this subsection,*
 11 *the term ‘territories of the United States’ means those*
 12 *insular areas specified in section 1156(a)(1) of the*
 13 *Water Resources Development Act of 1986 (33 U.S.C.*
 14 *2310(a)(1)).’.*”

15 ***TITLE II—STUDIES***

16 ***SEC. 201. AUTHORIZATION OF PROPOSED FEASIBILITY*** 17 ***STUDIES.***

18 *The Secretary is authorized to conduct a feasibility*
 19 *study for the following projects for water resources develop-*
 20 *ment and conservation and other purposes, as identified in*
 21 *the reports titled “Report to Congress on Future Water Re-*
 22 *sources Development” submitted to Congress on March 17,*
 23 *2017, and February 5, 2018, respectively, pursuant to sec-*
 24 *tion 7001 of the Water Resources Reform and Development*

1 *Act of 2014 (33 U.S.C. 2282d) or otherwise reviewed by*
2 *Congress:*

3 (1) *CAVE BUTTES DAM, ARIZONA.—Project for*
4 *flood risk management, Phoenix, Arizona.*

5 (2) *SAN DIEGO RIVER, CALIFORNIA.—Project for*
6 *flood risk management, navigation, and ecosystem*
7 *restoration, San Diego, California.*

8 (3) *J. BENNETT JOHNSTON WATERWAY, LOU-*
9 *ISIANA.—Project for navigation, J. Bennett Johnston*
10 *Waterway, Louisiana.*

11 (4) *NORTHSHORE, LOUISIANA.—Project for flood*
12 *risk management, St. Tammany Parish, Louisiana.*

13 (5) *OUACHITA-BLACK RIVERS, LOUISIANA.—*
14 *Project for navigation, Little River, Louisiana.*

15 (6) *CHAUTAUQUA LAKE, NEW YORK.—Project for*
16 *ecosystem restoration and flood risk management,*
17 *Chautauqua, New York.*

18 (7) *TRINITY RIVER AND TRIBUTARIES, TEXAS.—*
19 *Project for navigation, Liberty, Texas.*

20 (8) *WEST CELL LEVEE, TEXAS.—Project for flood*
21 *risk management, Irving, Texas.*

22 (9) *COASTAL VIRGINIA, VIRGINIA.—Project for*
23 *flood risk management, ecosystem restoration, and*
24 *navigation, Coastal Virginia.*

1 (10) *TANGIER ISLAND, VIRGINIA.—Project for*
 2 *flood risk management and ecosystem restoration,*
 3 *Tangier Island, Virginia.*

4 **SEC. 202. ADDITIONAL STUDIES.**

5 (a) *LOWER MISSISSIPPI RIVER; MISSOURI, KEN-*
 6 *TUCKY, TENNESSEE, ARKANSAS, MISSISSIPPI, AND LOU-*
 7 *ISIANA.—*

8 (1) *IN GENERAL.—The Secretary is authorized to*
 9 *carry out studies to determine the feasibility of habi-*
 10 *tat restoration for each of the eight reaches identified*
 11 *as priorities in the report prepared by the Secretary*
 12 *pursuant to section 402 of the Water Resources Devel-*
 13 *opment Act of 2000, titled “Lower Mississippi River*
 14 *Resource Assessment; Final Assessment In Response*
 15 *to Section 402 of WRDA 2000” and dated July 2015.*

16 (2) *CONSULTATION.—The Secretary shall consult*
 17 *with the Lower Mississippi River Conservation Com-*
 18 *mittee during each feasibility study carried out under*
 19 *paragraph (1).*

20 (b) *ST. LOUIS RIVERFRONT, MERAMEC RIVER BASIN,*
 21 *MISSOURI AND ILLINOIS.—*

22 (1) *IN GENERAL.—The Secretary is authorized to*
 23 *carry out studies to determine the feasibility of a*
 24 *project for ecosystem restoration and flood risk man-*
 25 *agement in Madison, St. Clair, and Monroe Counties,*

1 *Illinois, St. Louis City, and St. Louis, Jefferson,*
 2 *Franklin, Gasconade, Maries, Phelps, Crawford, Dent,*
 3 *Washington, Iron, St. Francois, St. Genevieve, Osage,*
 4 *Reynolds, and Texas Counties, Missouri.*

5 (2) *CONTINUATION OF EXISTING STUDY.*—*Any*
 6 *study carried out under paragraph (1) shall be con-*
 7 *sidered a continuation of the study being carried out*
 8 *under Committee Resolution 2642 of the Committee*
 9 *on Transportation and Infrastructure of the House of*
 10 *Representatives, adopted June 21, 2000.*

11 **SEC. 203. EXPEDITED COMPLETION OF REPORTS FOR CER-**
 12 **TAIN PROJECTS.**

13 (a) *FEASIBILITY REPORTS.*—*The Secretary shall expe-*
 14 *dite the completion of a feasibility study for each of the*
 15 *following projects, and if the Secretary determines that the*
 16 *project is justified in a completed report, may proceed di-*
 17 *rectly to preconstruction planning, engineering, and design*
 18 *of the project:*

19 (1) *Project for riverbank stabilization, Selma,*
 20 *Alabama.*

21 (2) *Project for ecosystem restoration, Three Mile*
 22 *Creek, Alabama.*

23 (3) *Project for navigation, Nome, Alaska.*

24 (4) *Project for flood diversion, Seward, Alaska.*

1 (5) *Project for navigation, Three Rivers, Arkan-*
2 *sas.*

3 (6) *Project for flood control, water conservation,*
4 *and related purposes, Coyote Valley Dam, California.*

5 (7) *Project for flood risk management, Lower*
6 *Cache Creek, California.*

7 (8) *Project for flood risk management, Lower*
8 *San Joaquin River, California, as described in sec-*
9 *tion 1322(b)(2)(F) of the Water Resources Develop-*
10 *ment Act of 2016 (130 Stat. 1707) (second phase of*
11 *feasibility study).*

12 (9) *Project for flood risk management, South*
13 *San Francisco, California.*

14 (10) *Project for flood risk management and eco-*
15 *system restoration, Tijuana River, California.*

16 (11) *Project for flood risk management in East*
17 *Hartford, Connecticut.*

18 (12) *Project for flood risk management in Hart-*
19 *ford, Connecticut.*

20 (13) *Projects under the Comprehensive Flood*
21 *Mitigation Study for the Delaware River Basin.*

22 (14) *Project for ecosystem restoration, Lake*
23 *Apopka, Florida.*

24 (15) *Project for ecosystem restoration, Kansas*
25 *River Weir, Kansas.*

1 (16) *Project for water resource improvements,*
2 *Willamette River Basin, Fern Ridge, Oregon.*

3 (17) *Project for ecosystem restoration, Resacas at*
4 *Brownsville, Texas.*

5 (18) *Project for navigation, Norfolk Harbor, Vir-*
6 *ginia.*

7 (19) *Project for coastal storm risk management,*
8 *Norfolk, Virginia.*

9 (20) *Project for navigation, Tacoma Harbor,*
10 *Washington.*

11 (b) *LOWER SAN JOAQUIN RIVER, CALIFORNIA.—In ex-*
12 *pediting completion of the second phase of the Lower San*
13 *Joaquin River feasibility study under subsection (a)(8), the*
14 *Secretary shall review and give priority to any plans and*
15 *designs requested by non-Federal interests and incorporate*
16 *such plans and designs into the Federal study if the Sec-*
17 *retary determines that such plans and designs are con-*
18 *sistent with Federal standards.*

19 (c) *POST-AUTHORIZATION CHANGE REPORTS.—The*
20 *Secretary shall expedite completion of a post-authorization*
21 *change report for the following projects:*

22 (1) *Project for flood risk management, San Luis*
23 *Rey River Flood Control Protection Project, Cali-*
24 *fornia.*

1 (2) *Project for flood risk management, Success*
 2 *Reservoir Enlargement Project, California.*

3 (3) *Everglades Agricultural Area Reservoir, Cen-*
 4 *tral Everglades Planning Project, Florida.*

5 (4) *Project for navigation, Sault Sainte Marie,*
 6 *Michigan.*

7 (d) *UPPER MISSISSIPPI RIVER PROTECTION.*—Section
 8 2010 of the *Water Resources Reform and Development Act*
 9 of 2014 (128 Stat. 1270) is amended by adding at the end
 10 the following:

11 “(d) *CONSIDERATIONS.*—In carrying out a disposition
 12 study with respect to the Upper St. Anthony Falls Lock
 13 and Dam, including a disposition study under section 216
 14 of the Flood Control Act of 1970 (33 U.S.C. 549a), the Sec-
 15 retary may not complete such study until the Secretary con-
 16 siders, and issues a report to the Committee on Transpor-
 17 tation and Infrastructure of the House of Representatives
 18 and the Committee on Environment and Public Works of
 19 the Senate on—

20 “(1) *the feasibility of carrying out modifications*
 21 *to the Upper St. Anthony Falls Lock and Dam to—*

22 “(A) *preserve and enhance recreational op-*
 23 *portunities and the health of the ecosystem; and*

24 “(B) *maintain the benefits to the natural*
 25 *ecosystem and human environment; and*

1 “(2) the preservation of any portion of the Upper
2 *St. Anthony Falls Lock and Dam necessary to main-*
3 *tain flood control.”.*

4 ***TITLE III—DEAUTHORIZATIONS,***
5 ***MODIFICATIONS, AND RE-***
6 ***LATED PROVISIONS***

7 ***SEC. 301. DEAUTHORIZATION OF INACTIVE PROJECTS.***

8 (a) *PURPOSES.—The purposes of this section are—*

9 (1) *to identify \$3,000,000,000 in water resources*
10 *development projects authorized by Congress that are*
11 *no longer viable for construction due to—*

12 (A) *a lack of local support;*

13 (B) *a lack of available Federal or non-Fed-*
14 *eral resources; or*

15 (C) *an authorizing purpose that is no*
16 *longer relevant or feasible;*

17 (2) *to create an expedited and definitive process*
18 *for Congress to deauthorize water resources develop-*
19 *ment projects that are no longer viable for construc-*
20 *tion; and*

21 (3) *to allow the continued authorization of water*
22 *resources development projects that are viable for con-*
23 *struction.*

24 (b) *INTERIM DEAUTHORIZATION LIST.—*

1 (1) *IN GENERAL.*—*The Secretary shall develop*
2 *an interim deauthorization list that identifies—*

3 (A) *each water resources development*
4 *project, or separable element of a project, author-*
5 *ized for construction before November 8, 2007,*
6 *for which—*

7 (i) *planning, design, or construction*
8 *was not initiated before the date of enact-*
9 *ment of this Act; or*

10 (ii) *planning, design, or construction*
11 *was initiated before the date of enactment of*
12 *this Act, but for which no funds, Federal or*
13 *non-Federal, were obligated for planning,*
14 *design, or construction of the project or sep-*
15 *arable element of the project during the cur-*
16 *rent fiscal year or any of the 6 preceding*
17 *fiscal years;*

18 (B) *each project or separable element identi-*
19 *fied and included on a list to Congress for de-*
20 *authorization pursuant to section 1001(b)(2) of*
21 *the Water Resources Development Act of 1986*
22 *(33 U.S.C. 579a(b)(2)); and*

23 (C) *any project or separable element for*
24 *which the non-Federal sponsor of such project or*

1 *separable element submits a request for inclusion*
 2 *on the list.*

3 (2) *PUBLIC COMMENT AND CONSULTATION.*—

4 (A) *IN GENERAL.*—*The Secretary shall so-*
 5 *licit comments from the public and the Gov-*
 6 *ernors of each applicable State on the interim*
 7 *deauthorization list developed under paragraph*
 8 (1).

9 (B) *COMMENT PERIOD.*—*The public com-*
 10 *ment period shall be 90 days.*

11 (3) *SUBMISSION TO CONGRESS; PUBLICATION.*—
 12 *Not later than 90 days after the date of the close of*
 13 *the comment period under paragraph (2), the Sec-*
 14 *retary shall—*

15 (A) *submit a revised interim deauthoriza-*
 16 *tion list to the Committee on Environment and*
 17 *Public Works of the Senate and the Committee*
 18 *on Transportation and Infrastructure of the*
 19 *House of Representatives; and*

20 (B) *publish the revised interim deauthoriza-*
 21 *tion list in the Federal Register.*

22 (c) *FINAL DEAUTHORIZATION LIST.*—

23 (1) *IN GENERAL.*—*The Secretary shall develop a*
 24 *final deauthorization list of water resources develop-*
 25 *ment projects, or separable elements of projects, from*

1 *the revised interim deauthorization list described in*
2 *subsection (b)(3).*

3 (2) *DEAUTHORIZATION AMOUNT.—*

4 (A) *PROPOSED FINAL LIST.—The Secretary*
5 *shall prepare a proposed final deauthorization*
6 *list of projects and separable elements of projects*
7 *that have, in the aggregate, an estimated Federal*
8 *cost to complete that is at least \$3,000,000,000.*

9 (B) *DETERMINATION OF FEDERAL COST TO*
10 *COMPLETE.—For purposes of subparagraph (A),*
11 *the Federal cost to complete shall take into ac-*
12 *count any allowances authorized by section 902*
13 *of the Water Resources Development Act of 1986*
14 *(33 U.S.C. 2280), as applied to the most recent*
15 *project schedule and cost estimate.*

16 (3) *IDENTIFICATION OF PROJECTS.—*

17 (A) *SEQUENCING OF PROJECTS.—*

18 (i) *IN GENERAL.—The Secretary shall*
19 *identify projects and separable elements of*
20 *projects for inclusion on the proposed final*
21 *deauthorization list according to the order*
22 *in which the projects and separable elements*
23 *of the projects were authorized, beginning*
24 *with the earliest authorized projects and*
25 *separable elements of projects and ending*

1 *with the latest project or separable element*
2 *of a project necessary to meet the aggregate*
3 *amount under paragraph (2)(A).*

4 (ii) *FACTORS TO CONSIDER.—The Sec-*
5 *retary may identify projects and separable*
6 *elements of projects in an order other than*
7 *that established by clause (i) if the Sec-*
8 *retary determines, on a case-by-case basis,*
9 *that a project or separable element of a*
10 *project is critical for interests of the United*
11 *States, based on the possible impact of the*
12 *project or separable element of the project*
13 *on public health and safety, the national*
14 *economy, or the environment.*

15 (iii) *CONSIDERATION OF PUBLIC COM-*
16 *MENTS.—In making determinations under*
17 *clause (ii), the Secretary shall consider any*
18 *comments received under subsection (b)(2).*

19 (B) *APPENDIX.—The Secretary shall in-*
20 *clude as part of the proposed final deauthoriza-*
21 *tion list an appendix that—*

22 (i) *identifies each project or separable*
23 *element of a project on the interim de-*
24 *authorization list developed under sub-*

1 *section (b) that is not included on the pro-*
 2 *posed final deauthorization list; and*

3 *(ii) describes the reasons why the*
 4 *project or separable element is not included*
 5 *on the proposed final list.*

6 *(4) PUBLIC COMMENT AND CONSULTATION.—*

7 *(A) IN GENERAL.—The Secretary shall so-*
 8 *licit comments from the public and the Governor*
 9 *of each applicable State on the proposed final de-*
 10 *authorization list and appendix developed under*
 11 *paragraphs (2) and (3).*

12 *(B) COMMENT PERIOD.—The public com-*
 13 *ment period shall be 90 days.*

14 *(5) SUBMISSION OF FINAL LIST TO CONGRESS;*
 15 *PUBLICATION.—Not later than 120 days after the date*
 16 *of the close of the comment period under paragraph*
 17 *(4), the Secretary shall—*

18 *(A) submit a final deauthorization list and*
 19 *an appendix to the final deauthorization list in*
 20 *a report to the Committee on Environment and*
 21 *Public Works of the Senate and the Committee*
 22 *on Transportation and Infrastructure of the*
 23 *House of Representatives; and*

1 (B) *publish the final deauthorization list*
2 *and the appendix to the final deauthorization*
3 *list in the Federal Register.*

4 (d) *DEAUTHORIZATION; CONGRESSIONAL REVIEW.—*

5 (1) *IN GENERAL.—After the expiration of the*
6 *180-day period beginning on the date of submission*
7 *of the final deauthorization list and appendix under*
8 *subsection (c), a project or separable element of a*
9 *project identified in the final deauthorization list is*
10 *hereby deauthorized, unless Congress passes a joint*
11 *resolution disapproving the final deauthorization list*
12 *prior to the end of such period.*

13 (2) *NON-FEDERAL CONTRIBUTIONS.—*

14 (A) *IN GENERAL.—A project or separable*
15 *element of a project identified in the final de-*
16 *authorization list under subsection (c) shall not*
17 *be deauthorized under this subsection if, before*
18 *the expiration of the 180-day period referred to*
19 *in paragraph (1), the non-Federal interest for*
20 *the project or separable element of the project*
21 *provides sufficient funds to complete the project*
22 *or separable element of the project.*

23 (B) *TREATMENT OF PROJECTS.—Notwith-*
24 *standing subparagraph (A), each project and*
25 *separable element of a project identified in the*

1 *final deauthorization list shall be treated as de-*
 2 *authorized for purposes of the aggregate de-*
 3 *authorization amount specified in subsection*
 4 *(c)(2)(A).*

5 (3) *PROJECTS IDENTIFIED IN APPENDIX.—A*
 6 *project or separable element of a project identified in*
 7 *the appendix to the final deauthorization list shall re-*
 8 *main subject to future deauthorization by Congress.*

9 (e) *SPECIAL RULE FOR PROJECTS RECEIVING FUNDS*
 10 *FOR POST-AUTHORIZATION STUDY.—A project or separable*
 11 *element of a project may not be identified on the interim*
 12 *deauthorization list developed under subsection (b), or the*
 13 *final deauthorization list developed under subsection (c), if*
 14 *the project or separable element received funding for a post-*
 15 *authorization study during the current fiscal year or any*
 16 *of the 6 preceding fiscal years.*

17 (f) *GENERAL PROVISIONS.—*

18 (1) *DEFINITIONS.—In this section, the following*
 19 *definitions apply:*

20 (A) *POST-AUTHORIZATION STUDY.—The*
 21 *term “post-authorization study” means—*

22 (i) *a feasibility report developed under*
 23 *section 905 of the Water Resources Develop-*
 24 *ment Act of 1986 (33 U.S.C. 2282);*

(ii) a feasibility study, as defined in section 105(d) of the Water Resources Development Act of 1986 (33 U.S.C. 2215(d)); or

(iii) a review conducted under section 216 of the Flood Control Act of 1970 (33 U.S.C. 549a), including an initial appraisal that—

(I) demonstrates a Federal interest; and

(II) requires additional analysis for the project or separable element.

(B) WATER RESOURCES DEVELOPMENT PROJECT.—The term “water resources development project” includes an environmental infrastructure assistance project or program of the Corps of Engineers.

(2) TREATMENT OF PROJECT MODIFICATIONS.—For purposes of this section, if an authorized water resources development project or separable element of the project has been modified by an Act of Congress, the date of the authorization of the project or separable element shall be deemed to be the date of the most recent modification.

SEC. 302. BACKLOG PREVENTION.

(a) PROJECT DEAUTHORIZATION.—

1 (1) *IN GENERAL.*—*A water resources develop-*
 2 *ment project, or separable element of such a project,*
 3 *authorized for construction by this Act shall not be*
 4 *authorized after the last day of the 10-year period be-*
 5 *ginning on the date of enactment of this Act unless—*

6 *(A) funds have been obligated for construc-*
 7 *tion of, or a post-authorization study for, such*
 8 *project or separable element during that period;*
 9 *or*

10 *(B) the authorization contained in this Act*
 11 *has been modified by a subsequent Act of Con-*
 12 *gress.*

13 (2) *IDENTIFICATION OF PROJECTS.*—*Not later*
 14 *than 60 days after the expiration of the 10-year pe-*
 15 *riod referred to in paragraph (1), the Secretary shall*
 16 *submit to the Committee on Environment and Public*
 17 *Works of the Senate and the Committee on Transpor-*
 18 *tation and Infrastructure of the House of Representa-*
 19 *tives a report that identifies the projects deauthorized*
 20 *under paragraph (1).*

21 (b) *REPORT TO CONGRESS.*—*Not later than 60 days*
 22 *after the expiration of the 12-year period beginning on the*
 23 *date of enactment of this Act, the Secretary shall submit*
 24 *to the Committee on Environment and Public Works of the*
 25 *Senate and the Committee on Transportation and Infra-*

1 *structure of the House of Representatives, and make avail-*
 2 *able to the public, a report that contains—*

3 *(1) a list of any water resources development*
 4 *projects authorized by this Act for which construction*
 5 *has not been completed during that period;*

6 *(2) a description of the reasons the projects were*
 7 *not completed;*

8 *(3) a schedule for the completion of the projects*
 9 *based on expected levels of appropriations; and*

10 *(4) a 5-year and 10-year projection of construc-*
 11 *tion backlog and any recommendations to Congress*
 12 *regarding how to mitigate current problems and the*
 13 *backlog.*

14 *(c) CLARIFICATION.—Section 6003(a) of the Water Re-*
 15 *sources Reform and Development Act of 2014 (33 U.S.C.*
 16 *579c(a)) is amended by striking “7-year” each place it ap-*
 17 *pears and inserting “10-year”.*

18 **SEC. 303. PROJECT MODIFICATIONS.**

19 *(a) CONSISTENCY WITH REPORTS.—Congress finds*
 20 *that the project modifications described in this section are*
 21 *in accordance with the reports submitted to Congress by the*
 22 *Secretary under section 7001 of the Water Resources Reform*
 23 *and Development Act of 2014 (33 U.S.C. 2282d), titled “Re-*
 24 *port to Congress on Future Water Resources Development”,*
 25 *or have otherwise been reviewed by Congress.*

1 (b) *MODIFICATIONS.*—

2 (1) *HARBOR/SOUTH BAY, CALIFORNIA.*—Section
3 219(f)(43) of the *Water Resources Development Act of*
4 1992 (113 Stat. 337; 114 Stat. 2763A–220) is amend-
5 ed by striking “\$35,000,000” and inserting
6 “\$70,000,000”.

7 (2) *LAKES MARION AND MOULTRIE, SOUTH*
8 *CAROLINA.*—Section 219(f)(25) of the *Water Resources*
9 *Development Act of 1992* (113 Stat. 336; 114 Stat.
10 2763A–220; 117 Stat. 1838; 130 Stat. 1677) is
11 amended by striking “\$60,000,000” and inserting
12 “\$89,550,000”.

13 **SEC. 304. MILWAUKEE HARBOR, MILWAUKEE, WISCONSIN.**

14 *The portion of the project for navigation, Milwaukee*
15 *Harbor, Milwaukee, Wisconsin, authorized by the first sec-*
16 *tion of the Act of March 3, 1843* (5 Stat. 619; chapter 85),
17 *consisting of the navigation channel within the Menomonee*
18 *River that extends from the 16th Street Bridge upstream*
19 *to the upper limit of the authorized navigation channel and*
20 *described as follows is no longer authorized beginning on*
21 *the date of enactment of this Act:*

22 (1) *Beginning at a point in the channel just*
23 *downstream of the 16th Street Bridge, N383219.703,*
24 *E2521152.527.*

1 (2) *Thence running westerly along the channel*
2 *about 2,530.2 feet to a point, N383161.314,*
3 *E2518620.712.*

4 (3) *Thence running westerly by southwesterly*
5 *along the channel about 591.7 feet to a point at the*
6 *upstream limit of the existing project, N383080.126,*
7 *E2518036.371.*

8 (4) *Thence running northerly along the upstream*
9 *limit of the existing project about 80.5 feet to a point,*
10 *N383159.359, E2518025.363.*

11 (5) *Thence running easterly by northeasterly*
12 *along the channel about 551.2 feet to a point,*
13 *N383235.185, E2518571.108.*

14 (6) *Thence running easterly along the channel*
15 *about 2,578.9 feet to a point, N383294.677,*
16 *E2521150.798.*

17 (7) *Thence running southerly across the channel*
18 *about 74.3 feet to the point of origin.*

19 **SEC. 305. BRIDGEPORT HARBOR, CONNECTICUT.**

20 *That portion of the project for navigation, Bridgeport*
21 *Harbor, Connecticut, authorized by the Act of June 18,*
22 *1878 (20 Stat. 158), and modified by the Act of August*
23 *11, 1888 (25 Stat. 401), the Act of March 3, 1899 (30 Stat.*
24 *1122), the Act of June 25, 1910 (36 Stat. 633), and the*
25 *Act of July 3, 1930 (46 Stat. 919), and lying upstream*

1 of a line commencing at point N627942.09, E879709.18
 2 thence running southwesterly about 125 feet to a point
 3 N627832.03, E879649.91 is no longer authorized beginning
 4 on the date of enactment of this Act.

5 **SEC. 306. CONVEYANCES.**

6 (a) *CHEATHAM COUNTY, TENNESSEE.*—

7 (1) *CONVEYANCE AUTHORIZED.*—*The Secretary*
 8 *may convey to Cheatham County, Tennessee (in this*
 9 *subsection referred to as the “Grantee”), all right,*
 10 *title, and interest of the United States in and to the*
 11 *real property in Cheatham County, Tennessee, con-*
 12 *sisting of approximately 9.19 acres, identified as por-*
 13 *tions of tracts E-514-1, E-514-2, E-518-1, E-518-*
 14 *2, E-519-1, E-537-1, and E-538, all being part of*
 15 *the Cheatham Lock and Dam project at CRM 158.5,*
 16 *including any improvements thereon.*

17 (2) *DEED.*—*The conveyance of property under*
 18 *this subsection shall be accomplished using a quit-*
 19 *claim deed and upon such terms and conditions as*
 20 *the Secretary determines appropriate to protect the*
 21 *interests of the United States, to include retaining the*
 22 *right to inundate with water any land transferred*
 23 *under this subsection.*

24 (3) *CONSIDERATION.*—*The Grantee shall pay to*
 25 *the Secretary an amount that is not less than the fair*

1 *market value of the land conveyed under this sub-*
2 *section, as determined by the Secretary.*

3 (4) *SUBJECT TO EXISTING EASEMENTS AND*
4 *OTHER INTERESTS.—The conveyance of property*
5 *under this section shall be subject to all existing ease-*
6 *ments, rights-of-way, and leases that are in effect as*
7 *of the date of the conveyance.*

8 (b) *NASHVILLE, TENNESSEE.—*

9 (1) *CONVEYANCE AUTHORIZED.—The Secretary*
10 *may convey, without consideration, to the City of*
11 *Nashville, Tennessee (in this subsection referred to as*
12 *the “City”), all right, title, and interest of the United*
13 *States in and to the real property covered by Lease*
14 *No. DACW62–1–84–149, including any improvements*
15 *thereon, at the Riverfront Park Recreational Develop-*
16 *ment, consisting of approximately 5 acres, subject to*
17 *the right of the Secretary to retain any required ease-*
18 *ments in the property.*

19 (2) *CONVEYANCE AGREEMENT.—A quit claim*
20 *deed shall be used to convey real property under this*
21 *subsection upon the terms and conditions mutually*
22 *satisfactory to the Secretary and the City. The deed*
23 *shall provide that in the event the City, its successors,*
24 *or assigns cease to maintain improvements for recre-*
25 *ation included in the conveyance or otherwise utilize*

1 *the real property conveyed for purposes other than*
2 *recreation and compatible flood risk management, the*
3 *City, its successor, or assign shall repay to the United*
4 *States the Federal share of the cost of constructing the*
5 *improvements for recreation under the agreement be-*
6 *tween the United States and the City dated December*
7 *8, 1981, increased as necessary to account for infla-*
8 *tion.*

9 (c) *GENERALLY APPLICABLE PROVISIONS.—*

10 (1) *SURVEY TO OBTAIN LEGAL DESCRIPTION.—*

11 *The exact acreage and the legal description of any*
12 *real property to be conveyed under this section shall*
13 *be determined by a survey that is satisfactory to the*
14 *Secretary.*

15 (2) *APPLICABILITY OF PROPERTY SCREENING*

16 *PROVISIONS.—Section 2696 of title 10, United States*
17 *Code, shall not apply to any conveyance under this*
18 *section.*

19 (3) *ADDITIONAL TERMS AND CONDITIONS.—The*

20 *Secretary may require that any conveyance under*
21 *this section be subject to such additional terms and*
22 *conditions as the Secretary considers necessary and*
23 *appropriate to protect the interests of the United*
24 *States.*

1 (4) *COSTS OF CONVEYANCE.*—*An entity to which*
 2 *a conveyance is made under this section shall be re-*
 3 *sponsible for all reasonable and necessary costs, in-*
 4 *cluding real estate transaction and environmental*
 5 *documentation costs, associated with the conveyance.*

6 (5) *LIABILITY.*—*An entity to which a conveyance*
 7 *is made under this section shall hold the United*
 8 *States harmless from any liability with respect to ac-*
 9 *tivities carried out, on or after the date of the convey-*
 10 *ance, on real property conveyed. The United States*
 11 *shall remain responsible for any liability with respect*
 12 *to activities carried out, before such date, on the real*
 13 *property conveyed.*

14 **SEC. 307. CLATSOP COUNTY, OREGON.**

15 *The portions of the project for raising and improving*
 16 *existing levees of Clatsop County Diking District No. 13,*
 17 *in Clatsop County, Oregon, authorized by section 5 of the*
 18 *Act of June 22, 1936 (49 Stat. 1590), that are referred to*
 19 *as Christensen No. 1 Dike No. 42 and Christensen No. 2*
 20 *Levee No. 43 are no longer authorized beginning on the date*
 21 *of enactment of this Act.*

22 **SEC. 308. KISSIMMEE RIVER RESTORATION, CENTRAL AND**
 23 **SOUTHERN FLORIDA.**

24 *Subject to a determination by the Secretary that the*
 25 *costs are reasonable and allowable and that the work for*

1 *which credit is requested was carried out in accordance*
 2 *with the laws specified in section 5014(i)(2)(A) of the Water*
 3 *Resources Reform and Development Act of 2014 (128 Stat.*
 4 *1331) and all other applicable Federal laws, the Secretary*
 5 *may credit toward the non-Federal share of the cost of the*
 6 *Kissimmee River project, authorized in section 101(8) of*
 7 *the Water Resources Development Act of 1992 (106 Stat.*
 8 *4802), the value of in-kind contributions made by the non-*
 9 *Federal interest with respect to the six following actions,*
 10 *as described in the final report of the Director of Civil*
 11 *Works on the Central and Southern Florida Project, Kis-*
 12 *simmee River Restoration Project, dated April 27, 2018:*

- 13 (1) *Shady Oaks Fish Camp land preparation.*
- 14 (2) *Rocks Fish Camp land preparation.*
- 15 (3) *Levee breaching of Sparks Candler and*
 16 *Bronson Levees.*
- 17 (4) *Packingham Slough construction related to*
 18 *land acquisition.*
- 19 (5) *Engineering analysis of River Acres engi-*
 20 *neering solution.*
- 21 (6) *Small local levee modifications.*

22 **SEC. 309. LYTLE AND CAJON CREEKS, CALIFORNIA.**

23 *That portion of the channel improvement project, Lytle*
 24 *and Cajon Creeks, California, authorized to be carried out*
 25 *as a part of the project for the Santa Ana River Basin,*

1 *California, by the Act of December 22, 1944 (Chapter 665;*
2 *58 Stat. 900) that consists of five earth-filled groins com-*
3 *monly referred to as “the Riverside Avenue groins” is no*
4 *longer authorized as a Federal project beginning on the date*
5 *of enactment of this Act.*

6 **SEC. 310. YUBA RIVER BASIN, CALIFORNIA.**

7 (a) *IN GENERAL.*—*The project for flood damage reduc-*
8 *tion, Yuba River Basin, California, authorized by section*
9 *101(a)(10) of the Water Resources Development Act of 1999*
10 *(113 Stat. 275) is modified to allow a non-Federal interest*
11 *to construct a new levee to connect the existing levee with*
12 *high ground.*

13 (b) *PROJECT DESCRIPTION.*—*The levee to be con-*
14 *structed shall tie into the existing levee at a point Northing*
15 *2186189.2438, Easting 6703908.8657, thence running east*
16 *and south along a path to be determined to a point*
17 *Northing 2187849.4328, Easting 6719262.0164.*

18 (c) *COOPERATION AGREEMENT.*—*The Secretary shall*
19 *execute a conforming amendment to the Memorandum of*
20 *Understanding Respecting the Sacramento River Flood*
21 *Control Project with the State of California dated November*
22 *30, 1953, that is limited to changing the description of the*
23 *project to reflect the modification.*

24 (d) *NO FEDERAL COST.*—

1 (1) *REVIEW COSTS.*—*Before construction of the*
 2 *levee described in subsection (b), the Secretary may*
 3 *accept and expend funds received from a non-Federal*
 4 *interest to review the planning, engineering, and de-*
 5 *sign of the levee described in subsection (b) to ensure*
 6 *that such planning, engineering, and design complies*
 7 *with Federal standards.*

8 (2) *NON-FEDERAL SHARE.*—*The non-Federal*
 9 *share of the cost of constructing the levee shall be 100*
 10 *percent.*

11 ***TITLE IV—WATER RESOURCES*** 12 ***INFRASTRUCTURE***

13 ***SEC. 401. PROJECT AUTHORIZATIONS.***

14 *The following projects for water resources development*
 15 *and conservation and other purposes, as identified in the*
 16 *reports titled “Report to Congress on Future Water Re-*
 17 *sources Development” submitted to Congress on March 17,*
 18 *2017, and February 5, 2018, respectively, pursuant to sec-*
 19 *tion 7001 of the Water Resources Reform and Development*
 20 *Act of 2014 (33 U.S.C. 2282d) or otherwise reviewed by*
 21 *Congress are authorized to be carried out by the Secretary*
 22 *substantially in accordance with the plans, and subject to*
 23 *the conditions, described in the respective reports or deci-*
 24 *sion documents designated in this section:*

25 (1) *NAVIGATION.*—

A. State	B. Name	C. Date of Report of Chief of Engineers	D. Estimated Costs
1. TX	Galveston Harbor Channel Extension Project, Houston-Galveston Navigation Channels	Aug. 8, 2017	Federal: \$10,046,000 Non-Federal: \$3,349,000 Total: \$13,395,000

1 (2) *FLOOD RISK MANAGEMENT.*—

A. State	B. Name	C. Date of Report of Chief of Engineers	D. Estimated Costs
1. NY	Mamaroneck-Sheldrake Rivers	Dec. 14, 2017	Federal: \$53,500,000 Non-Federal: \$28,750,000 Total: \$82,250,000
2. HI	Ala Wai Canal	Dec. 21, 2017	Federal: \$198,962,000; Non-Federal: \$107,133,000 Total: \$306,095,000

2 (3) *HURRICANE AND STORM DAMAGE RISK REDUCTION.*—
3

A. State	B. Name	C. Date of Report of Chief of Engineers	D. Estimated Initial Costs and Estimated Renourishment Costs
1. FL	St. Johns County	Aug. 8, 2017	Initial Federal: \$5,712,000 Initial Non-Federal: \$19,122,000 Initial Total: \$24,834,000 Renourishment Federal: \$9,484,000 Renourishment Non-Federal: \$44,099,000 Renourishment Total: \$53,583,000

A. State	B. Name	C. Date of Report of Chief of Engineers	D. Estimated Initial Costs and Estimated Renourishment Costs
2. TX	Sabine Pass to Galveston Bay	Dec. 7, 2017	Initial Federal: \$2,157,202,000 Initial Non-Federal: \$1,161,570,000 Initial Total: \$3,318,772,000
3. FL	St. Lucie County	Dec. 15, 2017	Initial Federal: \$7,097,000 Initial Non-Federal: \$13,179,000 Initial Total: \$20,276,000 Renourishment Federal: \$8,915,000 Renourishment Non-Federal: \$24,105,000 Renourishment Total: \$33,020,000

1 (4) FLOOD RISK MANAGEMENT AND ECOSYSTEM
2 RESTORATION.—

A. State	B. Name	C. Date of Report of Chief of Engineers	D. Estimated Costs
1. NM	Española Valley, Rio Grande	May 11, 2018	Federal: \$40,117,000 Non-Federal: \$21,601,000 Total: \$61,718,000

3 (5) MODIFICATIONS AND OTHER PROJECTS.—

A. State	B. Name	C. Date of Decision Document	D. Estimated Costs
1. GA	Savannah Harbor Expansion Project	Dec. 5, 2016	Federal: \$677,613,600 Non-Federal: \$295,829,400 Total: \$973,443,000
2. KY	Kentucky River Locks and Dams - 1, 2, 3, and 4	April 20, 2018	Federal: \$0 Non-Federal: \$0 Total: \$0

Union Calendar No. 548

115TH CONGRESS
2^D Session

H. R. 8

[Report No. 115-708]

A BILL

To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, and for other purposes.

JUNE 1, 2018

Reported with an amendment, committed to the Committee of the Whole House on the State of the Union, and ordered to be printed