

AMENDMENT TO H.R. 906
OFFERED BY MR. UDALL OF COLORADO

Page 10, line 12, strike “and”.

Page 10, line 16, strike the period and insert “;
and”.

Page 10, after line 16, insert the following new
paragraph:

1 (11) identify and describe regions of the United
2 States that are likely to experience similar impacts
3 of global change or are likely to share similar
4 vulnerabilities to global change.

Page 14, lines 18 through 22, amend paragraph (5)
to read as follows:

5 (5) summarizes the vulnerability of different ge-
6 ographic regions of the world to global change and
7 analyzes the implications of global change for the
8 United States, including international assistance,
9 population displacement, food and resource avail-
10 ability, and national security.

Page 14, line 23, through page 15, line 5, amend
subsection (b) to read as follows:

1 (b) USE OF RELATED REPORTS.—To the extent ap-
2 propriate, the assessment produced pursuant to this sec-
3 tion may coordinate with, consider, incorporate, or other-
4 wise make use of related reports, assessments, or informa-
5 tion produced by the United States Global Change Re-
6 search Program, regional, State, and local entities, and
7 international organizations, including the World Meteorolo-
8 gical Organization and the Intergovernmental Panel on
9 Climate Change.

Page 16, lines 1 through 4, amend paragraphs (1)
and (2) to read as follows:

- 10 (1) a description of the activities of the Pro-
11 gram during the past fiscal year;
- 12 (2) a description of the activities planned in the
13 next fiscal year toward achieving the goals of the
14 Plan; and

Page 16, line 5, strike “list of the” and insert “de-
scription of the groups or categories of”.

Page 16, line 8, strike “consultations with this com-
munity” and insert “activities used to facilitate consulta-
tions with and outreach to these groups,”.

Page 17, after line 3, insert the following new sec-
tion:

1 **SEC. 112. GLOBAL CHANGE RESEARCH INFORMATION.**

2 The President shall establish or designate a Global
3 Change Research Information Exchange to make scientific
4 research and other information produced through or uti-
5 lized by the Program which would be useful in preventing,
6 mitigating, or adapting to the effects of global change ac-
7 cessible through electronic means.

Page 25, lines 1 through 9, strike section 303.

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Page 7, line 6, insert “(a) ESTABLISHMENT.—” before “The President shall”.

Page 7, after line 13, insert the following new subsections:

1 (b) LEAD AGENCY.—The lead agency for the United
2 States Global Change Research Program shall be the Of-
3 fice of Science and Technology Policy.

4 (c) INTERAGENCY PROGRAM ACTIVITIES.—The Di-
5 rector of the Office of Science and Technology Policy, in
6 consultation with the interagency committee, shall identify
7 activities included in the Plan that involve participation
8 by 2 or more agencies in the Program, and that do not
9 fall within the current fiscal year budget allocations of
10 those participating agencies, to fulfill the requirements of
11 this Act. The Director of the Office of Science and Tech-
12 nology Policy shall allocate funds to the agencies to con-
13 duct the identified interagency activities. Such activities
14 may include—

1 (1) development of scenarios for climate, land-
2 cover change, population growth, and socioeconomic
3 development;

4 (2) calibration and testing of alternative re-
5 gional and global climate models;

6 (3) identification of economic sectors and re-
7 gional climatic zones;

8 (4) convening regional workshops to facilitate
9 information exchange and involvement of regional,
10 State, and local decisionmakers, non-Federal ex-
11 perts, and other stakeholder groups in the activities
12 of the Program.

13 (d) WORKSHOPS.—The Director shall ensure that at
14 least one workshop is held per year in each region identi-
15 fied by the Plan under section 105(b)(11) to facilitate in-
16 formation exchange and outreach to regional, State, and
17 local stakeholders as required by this Act.

18 (e) AUTHORIZATION OF APPROPRIATIONS.—There
19 are authorized to be appropriated to the Office of Science
20 and Technology Policy for carrying out this section
21 \$10,000,000 for each of the fiscal years 2008 through
22 2013.

AMENDMENT TO H.R. 906
OFFERED BY MR. GINGREY OF GEORGIA

Page 15, lines 6 through 19, amend section 108 to read as follows:

1 **SEC. 108. POLICY ASSESSMENT.**

2 Not later than 1 year after the date of enactment
3 of this Act, and at least once every 4 years thereafter,
4 the President shall enter into a joint agreement with the
5 National Academy of Public Administration and the Na-
6 tional Academy of Sciences under which the Academies
7 shall—

8 (1) document current policy options being im-
9 plemented by Federal, State, and local governments
10 to mitigate or adapt to the effects of global and re-
11 gional climate change;

12 (2) evaluate the realized and anticipated effec-
13 tiveness of those current policy options in meeting
14 mitigation and adaptation goals;

15 (3) identify and evaluate a range of additional
16 policy options and infrastructure for mitigating or
17 adapting to the effects of global and regional climate
18 change;

1 (4) analyze the adoption rates of policies and
2 technologies available to reduce the vulnerability of
3 society to global change with an evaluation of the
4 market and policy obstacles to their adoption in the
5 United States; and

6 (5) evaluate the distribution of economic costs
7 and benefits of these policy options across different
8 United States economic sectors.

AMENDMENT TO H.R. 906
OFFERED BY MS. WOOLSEY OF CALIFORNIA

Page 17, after line 3, insert the following new section:

1 **SEC. 112. ICE SHEET STUDY AND REPORT.**

2 (a) STUDY.—

3 (1) REQUIREMENT.—The Director of the Na-
4 tional Science Foundation and the Administrator of
5 National Oceanic and Atmospheric Administration
6 shall enter into an arrangement with the National
7 Academy of Sciences to complete a study of the cur-
8 rent status of ice sheet melt, as caused by climate
9 change, with implications for global sea level rise.

10 (2) CONTENTS.—The study shall take into con-
11 sideration—

12 (A) the past research completed related to
13 ice sheet melt as reviewed by Working Group I
14 of the Intergovernmental Panel on Climate
15 Change;

16 (B) additional research completed since the
17 fall of 2005 that was not included in the Work-
18 ing Group I report due to time constraints; and

1 (C) the need for an accurate assessment of
2 changes in ice sheet spreading, changes in ice
3 sheet flow, self-lubrication, the corresponding
4 effect on ice sheets, and current modeling capa-
5 bilities.

6 (3) REPORT.—Not later than 18 months after
7 the date of enactment of this Act, the National
8 Academy of Sciences shall transmit to the Com-
9 mittee on Science and Technology of the House of
10 Representatives and the Committee on Commerce,
11 Science, and Transportation of the Senate a report
12 on the key findings of the study conducted under
13 subsection (a), along with recommendations for addi-
14 tional research related to ice sheet melt and cor-
15 responding sea level rise.

AMENDMENT TO H.R. 906
OFFERED BY MS. EDDIE BERNICE JOHNSON OF
TEXAS

Page 17, after line 3, insert the following new section:

1 **SEC. 112. HURRICANE FREQUENCY AND INTENSITY STUDY**

2 **AND REPORT.**

3 (a) **STUDY.—**

4 (1) **REQUIREMENT.—**The Administrator of the
5 National Oceanic and Atmospheric Administration
6 and the Director of the National Science Foundation
7 shall enter into an arrangement with the National
8 Academy of Sciences to complete a study of the cur-
9 rent state of the science on the potential impacts of
10 climate change on patterns of hurricane and typhoon
11 development, including storm intensity, track, and
12 frequency, and the implications for hurricane-prone
13 and typhoon-prone coastal regions.

14 (2) **CONTENTS.—**The study shall take into con-
15 sideration—

16 (A) the past research completed related to
17 hurricane and typhoon development, track, and
18 intensity as reviewed by Working Groups I and

1 II of the Intergovernmental Panel on Climate
2 Change;

3 (B) additional research completed since the
4 fall of 2005 that was not included in the Work-
5 ing Group I and II reports due to time con-
6 straints;

7 (C) the need for accurate assessment of
8 potential changes in hurricane and typhoon in-
9 tensity, track, and frequency and of the current
10 modeling and forecasting capabilities and the
11 need for improvements in forecasting of these
12 parameters; and

13 (D) the need for additional research and
14 monitoring to improve forecasting of hurricanes
15 and typhoons and to understand the relation-
16 ship between climate change and hurricane and
17 typhoon development.

18 (3) REPORT.—Not later than 18 months after
19 the date of enactment of this Act, the National
20 Academy of Sciences shall transmit to the Com-
21 mittee on Science and Technology of the House of
22 Representatives and the Committee on Commerce,
23 Science, and Transportation of the Senate a report
24 on the key findings of the study conducted under
25 subsection (a).