AMENDMENT TO COMMITTEE PRINT
OFFERED BY MR. HALL OF TEXAS

Page 4, after line 10, insert the following new paragraphs (and redesignate the subsequent paragraphs accordingly):

1 (3) ensure operational quality control of all Na-
2 tional Climate Service products including a trans-
3 parent and open accounting of all the assumptions
4 built into the global, national, regional and local
5 weather and climate computer models upon which
6 such climate services and products are based;
7 (4) ensure a continuous level of high-quality
8 data collected through a national observation and
9 monitoring infrastructure by performing regular
10 maintenance and verification, and periodic upgrades;

AMENDMENT TO COMMITTEE PRINT

OFFERED BY MR. TONKO - New York

At the end of the bill, add the following new section:

1 **SEC. 7. ESTABLISHMENT OF REGIONAL INTEGRATED**
2 **SCIENCES AND ASSESSMENTS TEAMS.**

3 (a) IN GENERAL.—The Under Secretary shall estab-
4 lish Regional Integrated Sciences and Assessments
5 (RISA) Teams through a competitive, peer-reviewed selec-
6 tion process. Teams shall conduct applied regional climate
7 research and projects to address the needs of local and
8 regional decisionmakers for information and tools to de-
9 velop adaptation and response plans to climate variability
10 and change. The awards shall be administered through a
11 cooperative agreement between the National Oceanic and
12 Atmospheric Administration and the RISA Team. Each
13 award shall be for a period of five years for an amount
14 up to $300,000 per year.

15 (b) RISA TEAMS.—Teams shall be composed of
16 multi-institutional partnerships whose individual members
17 may include—

18 (1) institutions of higher education, as defined
19 in section 101 (a) of the Higher Education Act of
20 1965 (20 U.S.C. 1001(a));

1 (2) minority serving institutions, as defined in
2 section 371(a) of the Higher Education Act of 1965;
3 and
4 (3) nongovernmental organizations, Federal
5 agencies, State and local agencies, tribal organiza-
6 tions, and for-profit entities.
7 (c) CONSIDERATIONS.—In making awards under this
8 section, the Under Secretary shall consider—
9 (1) the overall geographic distribution of RISA
10 Teams and existing gaps in applied research to sup-
11 port local and regional decisionmakers;
12 (2) the team's ability to contribute to the Na-
13 tional Oceanic and Atmospheric Administration's ef-
14 forts to deliver climate services in the region; and
15 (3) the team's proposal to integrate social and
16 physical sciences research to address the effects of
17 climate variability and change on the ecological, eco-
18 nomic, and social systems in the region.

AMENDMENT TO COMMITTEE PRINT
OFFERED BY MS. EDWARDS - MD

At the end of the bill, add the following new section:

1 **SEC. 7. SURVEY OF NEED FOR CLIMATE SERVICES.**

2 (a) IN GENERAL.—The Under Secretary shall pro-
3 vide a report to Congress within 6 months of the date of
4 enactment of this Act that compiles information on the
5 current climate products being delivered by the National
6 Oceanic and Atmospheric Administration and its partner
7 organizations to users and stakeholders and on the needs
8 of users and stakeholders for new climate products and
9 services.

10 (b) CONTENTS OF REPORT.—The report shall iden-
11 tify—

12 (1) specific user groups and stakeholders that
13 currently are served by the National Oceanic and
14 Atmospheric Administration and its partner organi-
15 zations;

16 (2) the type of climate products and services
17 currently delivered to specific user groups and stake-
18 holders and the specific National Oceanic and At-
19 mospheric Administration office or partner organiza-
20 tion that delivers these products and services;

1 (3) potential user groups and stakeholders that
2 may be served by expanding climate products and
3 services; and
4 (4) specific needs for new climate products and
5 services identified by user groups and stakeholders.
6 (c) CONSULTATION.—The Under Secretary shall con-
7 sult with the Climate Service Advisory Committee in the
8 preparation of this report.

AMENDMENT TO COMMITTEE PRINT

OFFERED BY MR. BAIRD - WASHINGTON

At the end of the bill, add the following new section:

1 **SEC. 7. IMPLEMENTATION PLAN.**

2 (a) IN GENERAL.—The Under Secretary shall pre-
3 pare a plan for creating a National Climate Service in the
4 National Oceanic and Atmospheric Administration and de-
5 livering climate products and services to the National Oce-
6 anic and Atmospheric Administration users and stake-
7 holders. The plan shall be submitted to the President and
8 the Congress within 6 months of the date of enactment
9 of this Act.

10 (b) DRAFT PLAN.—Prior to the submission of the
11 final plan, the Under Secretary shall publish a draft plan
12 in the Federal Register with a public comment period of
13 at least 30 days.

14 (c) CONTENTS.—The plan shall—

15 (1) identify the current gaps in climate services
16 and outline the process and resources the National
17 Oceanic and Atmospheric Administration will use to
18 fill these gaps;

19 (2) describe the roles of the National Oceanic
20 and Atmospheric Administration line offices and the

1 National Oceanic and Atmospheric Administration
2 partner organizations in the development and deliv-
3 ery of climate products and services;
4 (3) describe the development and implementa-
5 tion of quality assurance and control mechanisms for
6 climate products and services delivered by the Na-
7 tional Oceanic and Atmospheric Administration and
8 its partner organizations;
9 (4) identify the mechanisms and opportunities
10 for determining user needs and engaging in a two-
11 way dialogue with users that will inform climate
12 product and service development and delivery of au-
13 thoritative, timely, and useful information on climate
14 variability and change and the effects on local,
15 State, regional, national, and global scales;
16 (5) identify new responsibilities or tasks to be
17 undertaken by existing National Oceanic and Atmos-
18 pheric Administration line offices and partner orga-
19 nizations; and
20 (6) identify new infrastructure, equipment, per-
21 sonnel, or other resources needed to implement the
22 proposed plan.
23 (d) CONTINUITY OF SERVICE.—During the develop-
24 ment of the implementation plan, the public comment pe-
25 riod, and final plan, the National Oceanic and Atmos-

1 pheric Administration shall continue to provide climate
2 services to the user community.
3 (e) CONSULTATION.—In developing the plan, the
4 Under Secretary shall consult with user groups and stake-
5 holders, other Federal agencies, the Climate Service Advi-
6 sory Committee, and Congress.