

COMMITTEE REPORT

HOUSE

FURTHER:

4/1/81

(11)

Date: 5-15-81

Mr. Speaker:

The Committee on FINANCE has had HB 196

"An Act relating to establishment of the Alaska State Center and a state weather and climate program."

under consideration and (a majority of the committee) (the committee) reports it back with the following recommendations:

- do pass do not pass
- do pass with attached amendments(s)
- replace with CS for _____ same title
- and recommends _____ new title
- AND attaches a "Letter of Intent" New Fiscal Note \$114.0 ^{2/4/81}
- reports it back without recommendation
- referred to the _____ Committee

MEMBERS SIGNING
DO PASS

[Signature]

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MEMBERS HAVING
OTHER RECOMMENDATIONS:

[Signature]

CHAIRMAN

A M E N D M E N T

OFFERED IN THE HOUSE:

BY: THE FINANCE COMMITTEE

To: _____ HOUSE BILL No. 196

SENATE BILL No. _____

PAGE: 1

LINE: 6-7

Please change title to HB 196 to read:

"An Act relating to establishment of the Alaska
State Climate Center and a state weather and
climate program."

THE LEGISLATURE OF THE STATE OF ALASKA
TWELFTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. HOUSE BILL NO. 196 (Page 1 of 3)

Title An Act relating to establishment of the Alaska State weather and Climate Program and Alaska State Climate Center

Requested by the Rules Committee by Request of the Governor Date: _____

II. FISCAL DETAIL

Agency Affected University of Alaska

Program Category Affected Public Information Service

BRU, Program, or Subprogram(s) Affected Org. Research, Arctic Environmental Info & Data Cntr

(Note: If more than one budget component is affected, separate line-item amounts and funding for each component in the analysis section.)

EXPENDITURES (Thousands of Dollars)

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
100 PERSONAL SERVICES		77.7	83.2	89.0	95.2	101.9
200 TRAVEL		6.8	7.7	8.8	10.0	11.4
300 CONTRACTUAL		16.4	18.7	21.3	24.3	27.7
400 COMMODITIES		4.6	5.2	5.9	6.7	7.6
500 EQUIPMENT		8.5	2.9	1.6	1.6	1.6
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL		114.0	117.7	126.6	137.8	150.2

FUNDING (Thousands of Dollars)

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
GENERAL FUND		114.0	117.7	126.6	137.8	150.2
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
FULL TIME *		3	3	3	3	3
PART TIME		1	1	1	1	1
TEMPORARY						

*Of these, one position is new

III. ANALYSIS (See Fiscal Note Preparation Instructions, Section III)

This bill establishes formally a state weather and climate program to recognize and improve the existing program and develop additional program elements.

Since July of 1973 the University of Alaska's Arctic Environmental Information and Data Center has absorbed the costs of public climate information services previously furnished by the National Weather Service's regional/state climatology program. During FY81 the center dedicated 7 man months to this effort. Due to increasing demand for such services caused by both government and private interest in alternative energies, resource development and transportation, etc., the need arises for an increase in the level of effort by 21 man months,

(see attached page 2)

IV. DATE February 4, 1981

PREPARED BY Willy E. Rensenbrink

AGENCY Arctic Environmental Information and Data Center, University of Alaska

Original: Legislative Finance

cc: Budget and Management

Prime Sponsor (First Legislator Named)

PHONE: 279-4523

making for a total dedicated 28 man months. The above personal service dollar figure is based on 6 additional man months for a combination of 2 atmospheric scientists, 8 additional man months of a science technician, and 6 man months for a new position of data control clerk.

This will also provide for increased user oriented services through: design of wind data summaries for wind power; environmental data information specifically for solar energy; climatic data information for construction design planning, etc.; initiation of summaries and the extension of record periods of existing summaries by computer processing of voluminous raw data.

Years subsequent to FY82 have been estimated by using a 7% increment factor in personal services and a 14% inflationary factor in travel, contractual, and commodities. These factors will be subject to changes in the actual price structures.

BUDGETARY BACK-UP FOR

- FY82 PROJECTED

PERSONAL SERVICES:

(incl. Staff Benefits)

	MAN MONTHS TOTAL			This budget		Amount
	FY81	GF	RF	GF	RF	
J. Wise, Atmosph.Sci.	4		8	5	3	\$ 29,070
A. Comiskey, Atmosph.Sci.	1		5	2	3	10,712
R. Becker, Sci. Technician	2		10	8	2	22,504
Data Control Clerk Gr. 12	-		-	6	6	<u>15,438</u>
						Total Personal Services
						<u>77,724</u>

TRAVEL:

In-State Meetings & Conferences	2,800	
Out-of-State Meetings and Confs.	<u>4,000</u>	
Total Travel		6,800

CONTRACTUAL:

Programming Consultant	5,700	
Duplicator rental	2,050	
Microfilm services	1,900	
Computer charges/time sharing	2,300	
Communications	3,250	
Equipment maintenance and misc.	<u>1,200</u>	
Total Contractual Services		16,400

COMMODITIES:

Climate data acquisition	1,220	
Office and computer supplies	2,800	
Storage boxes and misc.	<u>580</u>	
Total Commodities		4,600

EQUIPMENT:

Computer I/O equipment	6,800	
Microfiche & tape storage cabs.	1,150	
Calculator	<u>550</u>	
Total Equipment		<u>8,500</u>

TOTAL PROJECTED FY82 EXPENDITURES

\$114,024

Introduced: 2/19/81
Referred: Health, Education &
Social Services and Finance

1 IN THE HOUSE

BY THE RULES COMMITTEE BY
REQUEST OF THE GOVERNOR

2 HOUSE BILL NO. 196

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 TWELFTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to establishment of the Alaska State
7 Center and a state weather and climate program."

8 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

9 * Section 1. LEGISLATIVE FINDINGS. The legislature finds that:

10 (1) weather and climate changes affect all human activities and
11 general welfare;

12 (2) an understanding of weather and climate patterns is essential
13 to food and energy production; construction; natural resource development
14 and management; determinations of land use; community development; improve-
15 ment of transportation, communications, and use of water resources; and the
16 well-being of the people of Alaska;

17 (3) programs of basic and applied climatic research are important
18 functions of several University of Alaska institutes and centers, including
19 the Agricultural Experiment Station; the Arctic Environmental Information
20 and Data Center; the Geophysical Institute; the Institutes of Arctic Bio-
21 logy, Marine Science, and Water Resources; and the Alaska Sea Grant Program;

22 (4) weather and climate information is essential to the programs
23 of several agencies, especially the Departments of Commerce and Economic
24 Development, Environmental Conservation, Fish and Game, Natural Resources,
25 Public Safety, and Transportation and Public Facilities;

26 (5) the National Climate Program Act, 15 U.S.C. 2901-2908, pro-
27 vides for the establishment of a program for federal and state cooperative
28 activities in climate studies and advisory services, and for annual grants
29 to states for these activities if the state has adopted a state climate

1 program in accordance with the provisions of the National Climate Program
2 Act;

3 (6) the Arctic Environmental Information and Data Center present-
4 ly provides climatological services for the state under agreement between
5 the University of Alaska and the National Oceanic and Atmospheric Adminis-
6 tration; and

7 (7) by virtue of the National Climate Program Act, it would be
8 highly beneficial for the State of Alaska to establish a state weather and
9 climate program to recognize and improve the existing program, and to de-
10 velop additional programs as required.

11 * Sec. 2. AS 14.40 is amended by adding a new section to read:

12 Sec. 14.40.085. ESTABLISHMENT OF ALASKA STATE CLIMATE CENTER.

13 (a) The university shall establish an Alaska State Climate Center
14 within an appropriate unit of the university. The administration and
15 management of the center is under the direction of a university em-
16 ployee designated the "state climatologist."

17 (b) The Alaska State Climate Center shall:

18 (1) prepare and update on a biennial basis a plan for the
19 systematic acquisition and dissemination of climate-related informa-
20 tion; the plan must include:

21 (A) an assessment of weather and climate information
22 needs in Alaska;

23 (B) a reasonable basis for setting priorities among
24 these needs; and

25 (C) a program for coordinating the activities of all
26 available sources of weather- and climate-related information
27 sources in order to meet the highest priority needs and to carry
28 out the provisions of this section;

29 (2) establish a state climate planning advisory group com-

1 posed of at least three members from organizations which provide
2 climate-related information, and at least three members from organi-
3 zations which use climate-related information on a regular basis or
4 from the general public;

5 (3) solicit and consider the advice and recommendations of
6 the state climate planning advisory group in preparing and updating the
7 biennial plan for acquisition and dissemination of climate-related
8 information;

9 (4) operate and maintain a central repository and archive
10 for reports, books, maps and other records, and publications relating
11 to weather and climatological information;

12 (5) provide for public access to weather and climatological
13 information and technical advisory services; and

14 (6) enter into cooperative agreements, on behalf of the
15 state and the university, in order to achieve intergovernmental climate
16 program participation by the United States and the state; these agree-
17 ments must be consistent with the provisions of the National Climate
18 Program Act, 15 U.S.C. 2901 -- 2908.

19 (c) The Alaska State Climate Center may:

20 (1) investigate, describe, and interpret the characteristics
21 of the weather and climate of the state, including its hazards and
22 limitations;

23 (2) coordinate with state and federal agencies in matters
24 concerning weather data acquisition, collection, integration and stor-
25 age;

26 (3) monitor federal weather-related activities to assure
27 that the interests of the state are being served;

28 (4) conduct research activities on the availability of
29 solar, wind, and water resources which assess the impact of climate

1 fluctuations on these resources;

2 (5) publish bulletins, circulars, maps, or reports of the
3 results of all research and investigations undertaken by the climate
4 center, and distribute them to state agencies, government officials,
5 industry, and the public;

6 (6) provide lectures, talks, displays, and exhibits on the
7 climate of the state for the general education of the public; and

8 (7) enter into cooperative arrangements with local, state,
9 and federal government agencies; foundations; universities; businesses;
10 and other organizations engaged in climate-related research and ser-
11 vices.
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HB 196

February 18, 1981

The Honorable Jim Duncan
Speaker of the House
Alaska State Legislature
Pouch V
Juneau, AK 99811

Dear Mr. Speaker:

Under the authority of art. III, sec. 18, of the Alaska Constitution, I am transmitting a bill relating to the establishment of a state climate and weather program and a state climate center. This bill was originally introduced in the last legislature as HB 413. This version is virtually identical to the House Resources Committee's CSHB 413.

The program would begin with the preparation of a plan, updated on a biennial basis, for the acquisition and dissemination of climate related data and information. The plan would include an assessment of the state's climate data and information needs, a basis for establishing priorities among these needs, and a program for orchestrating activities directed toward meeting these needs. A State Climate Planning Advisory Group, composed of members from organizations which provide climate related information and data and from the public sector and organizations which use this information, would participate in preparing and updating the plan.

In order to implement the plan, the bill would provide that the state climate center be established within the University of Alaska. The center would operate and maintain a central repository for information and data relating to the weather and climate of Alaska, provide weather and climatological information and technical advisory services to climate information users, and cooperate with other state and federal agencies in order to satisfy the intergovernmental climate program participation requirements of the National Climate Program Act.

In addition, the center would be authorized to investigate the characteristics of Alaska's climate;

research and assess the impact of climate fluctuations on the availability of solar, wind, and water resources; make available the results of all research undertaken by the center; contribute to the general education of the public on the climate of the state; and enter into cooperative arrangements with other organizations engaged in climate-related research.

This bill is consistent with the provisions of the National Climate Program Act, Public Law 95-367, under which the state may be eligible to receive up to a 50 percent grant to cover the costs of conducting climate-related studies and providing climate-related services.

Sincerely,

S/JSH

Jay S. Hammond
Governor



Alaska State Legislature

House of Representatives

Committee on Resources

Terry Gardiner, Co-Chairman
Fred F. Zharoff, Co-Chairman
465-3715

Pouch V
State Capitol
Juneau, Alaska 99811

M E M O R A N D U M

TO: House Finance Committee Staff
FROM: Kristine Harder, A.A. *KH*
House Resources Committee
RE: H.B. 196

Please have the Finance Committee change the title of H.B. 196 to read "An Act relating to establishment of the Alaska State Climate Center and a state weather and climate program." The bill title was drafted incorrectly, and the Resources Committee Substitute inadvertently neglected to correct the oversight.