

"An Act relating to the conservation of energy in public facilities."

COMMITTEE REPORT

4/1/75

HOUSE

FINANCE

Mr. Speaker:

Date 18 APR 75

The Committee on STATE AFFAIRS has had HB 368

under consideration. A Majority of the members of the Committee

~~()~~ recommends it DO PASS

() recommends it DO NOT PASS

recommends it DO PASS WITH ATTACHED AMENDMENT(S)

() recommends it BE REPLACED WITH CS FOR _____ AND THAT

CS FOR _____ DO PASS

() "and" recommends it BE REFERRED TO THE _____

COMMITTEE

() reports it back WITHOUT RECOMMENDATION

() "other"

Members signing the Majority report:

<u>[Signature]</u>	<u>Bin Park</u>	_____
<u>[Signature]</u>	_____	_____
<u>Joe McKinnon</u>	_____	_____
<u>[Signature]</u>	_____	_____

Members NOT concurring in the Majority report:

<u>[Signature]</u>	recommends: <u>without rec.</u>
_____	recommends:
_____	recommends:
_____	recommends:
_____	recommends:

Bin Park Chairman

AMENDMENT #1

OFFERED IN THE HOUSE:

BY: State Affairs Committee

To: _____ HOUSE BILL No. 368

SENATE BILL No. _____

PAGE: 2

LINE: ~~11~~ 13

Page 2, Line 13 After "by" delete "a", insert "an Alaskan Registered"

"An Act relating to the conservation of energy in public facilities."

COMMITTEE REPORT

4/21/75

HOUSE

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COMMITTEE

reports it back WITHOUT RECOMMENDATION

"other"

Members signing the Majority report:

Members NOT concurring in the Majority report:

_____ recommends:

_____ recommends:

_____ recommends:

_____ recommends:

_____ recommends:

_____ Chairman

STATE OF ALASKA

DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, Governor

POUCH Z--JUNEAU 99801

April 18, 1975

The Honorable Bill Parker, Chairman
House State Affairs Committee
Alaska State House of Representatives
Pouch V
Juneau, Alaska 99811

Dear Representative Parker:

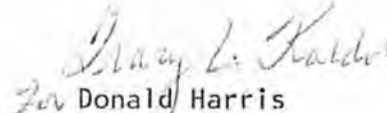
The Department of Public Works would like to make the following comments on House Bill Number 368, introduced April 1, 1975 and referred to State Affairs and Finance.

The estimated additional funds required to perform the architectural/engineering work, providing an "energy-consumption analysis", would be approximately one half of one percent of the total construction funds made available.

It is felt that the professional engineer or licensed architect mentioned on page two, line 14, should also be registered in the State of Alaska.

It is also noted that House Bill Number 429, introduced April 15, 1975 and referred to Finance makes reference to life cycle engineering which would include energy consumption and conservation.

Sincerely,


For Donald Harris
Commissioner

Introduced: 4/1/75
Referred: State Affairs and
Finance

BY BOWMAN, BRADLEY, BUCHHOLDT,
GRUENING AND WALLIS

1 IN THE HOUSE

2 HOUSE BILL NO. 368

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 NINTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to the conservation of energy in
7 public facilities."

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

9 * Section 1. The legislature hereby finds that

10 (1) major publicly owned or leased facilities have a signi-
11 ficant impact on our state's consumption of energy;

12 (2) energy conservation practices adopted for the design,
13 construction, and utilization of these facilities will have a bene-
14 ficial effect on our overall supply of energy;

15 (3) the cost of the energy consumed by these facilities over
16 the life of the facilities should be considered in addition to the
17 initial cost of constructing them; and

18 (4) the cost of energy is significant and major facility
19 designs should be based on the partial life-cycle cost, including the
20 initial construction cost, and the cost, over the economic life of a
21 major facility, of the energy consumed, and of the operation and main-
22 tenance of a major facility as they affect energy consumption.

23 * Sec. 2. The legislature declares that it is the public policy of this
24 state to insure that energy conservation practices are employed in the design
25 of major publicly owned or leased facilities. To this end the legislature
26 authorizes and directs that public agencies analyze the cost of energy con-
27 sumption of each major facility to be constructed or renovated after the
28 effective date of this Act.

29 * Sec. 3. AS 35.10 is amended by adding a new section to read:

Introduced: 4/1/75
Referred: State Affairs and
Finance

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26 authorizes and directs that public agencies analyze the cost of energy con-
27 sumption of each major facility to be constructed or renovated after the
28 effective date of this Act.

29 * Sec. 3. AS 35.10 is amended by adding a new section to read:

1 Sec. 35.10.012. COST ANALYSIS REQUIRED. When a public agency
2 determines that a major facility is to be constructed or renovated the
3 agency shall cause to be included in the design phase of the construc-
4 tion or renovation a provision that requires a partial life-cycle cost
5 analysis to be prepared for the facility. The analysis shall be approved
6 by the agency before the commencement of actual construction or renova-
7 tion. A public agency may accept the facility design if the agency is
8 satisfied that the partial life-cycle cost analysis provides for an
9 efficient energy system based on the economic life of the facility.

10 * Sec. 4. AS 35.25.020 is amended by adding new paragraphs to read:

11 (7) "economic life" means the projected or anticipated useful
12 life of a major facility as expressed by a term of years;

13 (8) "energy-consumption analysis" means the evaluation by a
14 professional engineer or licensed architect of all energy systems and
15 components by demand and type of energy including the internal energy
16 load imposed on a major facility by its occupants, equipment, and
17 components, and the external energy load imposed on a major facility by
18 the climactic conditions of its location; an energy consumption analysis
19 of the operation of energy systems of a major facility shall include,
20 but not be limited to, the following elements:

21 (A) the comparison of three or more system alternatives;

22 (B) the simulation of each system over the entire range
23 of operation of such facility for a year's operating period; and

24 (C) the evaluation of the energy consumption of com-
25 ponent equipment in each system considering the operation of such
26 components at other than full or rated outputs;

27 (9) "energy systems" means all utilities, including, but not
28 limited to, heating, air-conditioning, ventilating, lighting, and the
29 supplying of domestic hot water;

1 (10) "initial cost" means the money required for the capital
2 construction or renovation of a major facility;

3 (11) "major facility" means any publicly owned or leased
4 building having 10 thousand square feet or more of useable floor space;

5 (12) "partial life-cycle cost" means the cost of a major
6 facility including its initial cost, the cost of the energy consumed
7 over its economic life, and the energy consumption related cost of its
8 operation and maintenance;

9 (13) "partial life-cycle cost analysis" includes, but is not
10 limited to the following elements:

11 (A) the coordination and positioning of a major
12 facility on its physical site;

13 (B) the amount and type of fenestration employed in a
14 major facility;

15 (C) the amount of insulation incorporated into the
16 design of a major facility;

17 (D) the variable occupancy and operating conditions of
18 a major facility; and

19 (E) an energy-consumption analysis of a major facility;

20 (14) "public agency" means every state office, officer, board,
21 commission, committee, bureau, department, home rule or general law city
22 or borough, including but not limited to a unified municipality under
23 AS 29.68;
24
25
26
27
28
29

856
Done

Introduced: 4/2/75
Referred: State Affairs and
Finance

BY BOWMAN, BRADLEY, BUCHHOLDT,
GRUENING AND WALLIS

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COMMITTEE COPY

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29

ALASKA STATE LEGISLATURE

NINTH Legislature FIRST Session

HOUSE ... BILL ... NO. ... 368.

By BOWMAN, BRADLEY, BUCHHOLDT,
GRUENING AND WALLIS

"An Act relating to the conservation of energy in public facilities."

Conserv. energy/pub. fac.

Introduced in the House 4/1/75

HISTORY IN THE HOUSE

19 75

Apr 1

Read first time and referred to Committee on

State Affairs and Finance

Reported back with recommendation that

Read second time and

Read third time and

PASS	Effective Date
Yeas	Yeas
Nays	Nays
Absent	Absent
Excused	Excused

Reconsideration

PASS	Effective Date
Yeas	Yeas
Nays	Nays
Absent	Absent
Excused	Excused

Reported correctly engrossed
Signed by Speaker
Sent to Senate

CHIEF CLERK OF THE HOUSE

HISTORY IN THE SENATE

19

Read first time and referred to Committee on

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Reported correctly engrossed
Signed by President
Returned to House

SECRETARY OF THE SENATE

HISTORY IN THE HOUSE

19

Received from Senate

Reported correctly enrolled

Sent to Governor

..... By Governor

Filed with Lt. Governor

Chapter No.