

HB

12

THE LEGISLATURE OF THE STATE OF ALASKA
ELEVENTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. HB 12
 Title An Act Relating to Northern Technology
 Requested by B. Rogers Date 2-8-79

II. FISCAL DETAIL

Agency Affected Governor's Office, Policy Development and Planning
 Program Category Affected _____
 Budget Request Unit(s) Affected Policy Development and Planning

EXPENDITURES (Thousands of Dollars)

	FY 79	FY 80	FY 81	FY 82	FY 83	FY 84
100 PERSONAL SERVICES		39.4	41.7	44.2		
200 TRAVEL		2.7	2.8	3.0		
300 CONTRACTUAL		3.0	3.2	3.4		
400 COMMODITIES		.3	.3	.3		
500 EQUIPMENT		-	-	-		
600 LAND & STRUCTURES		-	-	-		
700 GRANTS, CLAIMS, ETC.		50.0	50.0	50.0		
TOTAL		95.4	98.0	100.9		

FUNDING (Thousands of Dollars)

	FY 79	FY 80	FY 81	FY 82	FY 83	FY 84
GENERAL FUND		95.4	98.0	100.9		
FEDERAL FUNDS						
OTHER (Specify)						

POSITIONS

	FY 79	FY 80	FY 81	FY 82	FY 83	FY 84
FULL TIME		1	1	1		
PART TIME		1	1	1		
TEMPORARY						

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

See Attachment.

IV. DATE 2/8/79 PREPARED BY Rep. Brian Rogers
 AGENCY _____
 PHONE 465-4925
 Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (First Legislator Named)

COMMITTEE REPORT

HOUSE

FURTHER: FINANCE

1/24/79

Date: _____

Mr. Speaker:

The Committee on STATE AFFAIRS has had HB 12
"An Act relating to northern technology; eff. date."

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
 new title
- and recommends _____
- AND attaches a "Letter of Intent" New Fiscal Note
- reports it back without recommendation
- referred to the _____ Committee

**MEMBERS SIGNING
DO PASS**

2

John G Miller

Bill P

Henry

**MEMBERS HAVING
OTHER RECOMMENDATIONS:**

Ray

Terry Martin - Do not Pass

CHAIRMAN

FY 80 Fiscal Note Analysis - HB 12100 Personal Services

Grants Administrator	Range 17A	\$23,210
Clerk Typist III	8B	<u>6,530</u>
		29,740
	Benefits @ 26%	<u>9,630</u>
		\$39,370

200 Travel and Per Diem

8 2-day intrastate trips	@ \$285	\$ 2,280
1 2-day interstate trips	@ \$400	<u>400</u>
		\$ 2,680

300 Contractual

Communication - newsletter, postage, telephone, telecopier		\$ 1,000
Professional services - newsletter, informational brochures, audio-visual programs, research and other studies and investigations		<u>2,000</u>
		\$ 3,000

400 Commodities

Office supplies, subscriptions		\$ 300
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700 Grants

As per Sec. 44.19.884(a)(2)		\$50,000
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TOTAL		<u>\$95,350</u>
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FISCAL NOTE

I. REQUEST

Bill/Resolution No. HB 12

Title An Act Relating to Northern Technology

Requested by B. Rogers

Date 1-24-79

II. FISCAL DETAIL

Agency Affected Governor's Office, Policy Development and Planning

Program Category Affected _____

BRU, Program, or Subprogram(s) Affected Policy Development and Planning

(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)

OPTION 1*

	FY 79	FY 80	FY 81	FY 82	FY 83	FY 84
100 PERSONAL SERVICES		63.5	67.3	71.3		
200 TRAVEL		4.6	4.9	5.2		
300 CONTRACTUAL		16.5	17.5	18.5		
400 COMMODITIES		0.3	0.3	0.3		
500 EQUIPMENT		-	-	-		
600 LAND & STRUCTURES		-	-	-		
700 GRANTS, CLAIMS, ETC.		**	50.0	50.0		
TOTAL		84.9	140.0	145.3		

FUNDING (Thousands of Dollars)

GENERAL FUND		84.9	140.0	145.3		
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME		1	1	1		
PART TIME		2	2	2		
TEMPORARY						

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

See Attachment for FY 80 Budget Analysis - 2 options presented.

* Option 1 - Provides for staff and resources to disseminate information and provide financial and technical assistance.

** FY 80 DPDP Budget allocation of \$50.0 for Northern Technology activities.

IV. DATE 1/31/79

PREPARED BY Bill Luria

AGENCY Division of Policy Development and Planning

Original: Legislative Finance

PHONE 465-3573

cc: Budget and Management

Prime Sponsor (First Legislator Named)

FISCAL NOTE

I. REQUEST

Bill/Resolution No. HB 12
 Title An Act Relating to Northern Technology
 Requested by B. Rogers Date 1-24-79

II. FISCAL DETAIL

Agency Affected Governor's Office - Policy Development and Planning
 Program Category Affected _____
 BRU, Program, or Subprogram(s) Affected Policy Development and Planning

(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)

OPTION 2*

	FY 79	FY 80	FY 81	FY 82	FY 83	FY 84
100 PERSONAL SERVICES		53.3	56.5	59.9		
200 TRAVEL		3.1	3.3	3.5		
300 CONTRACTUAL		3.0	3.2	3.4		
400 COMMODITIES		0.3	0.3	0.3		
500 EQUIPMENT		-	-	-		
600 LAND & STRUCTURES		-	-	-		
700 GRANTS, CLAIMS, ETC.		**	50.0	50.0		
TOTAL		59.7	113.3	117.1		

FUNDING (Thousands of Dollars)

GENERAL FUND		59.7	113.3	117.1		
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME		1	1	1		
PART TIME		1	1	1		
TEMPORARY						

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

See Attachment for FY 80 Budget Analysis - 2 options presented.

* Option 2 - Provides for grants administration but would not allow for a complete "information broker" activity.

** FY 80 DPDP budget allocation of \$50.0 for Northern Technology activities.

IV. DATE 1/31/79 PREPARED BY *Bill Luria*
 AGENCY Division of Policy Development and Planning
 PHONE 465-3573

Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (First Legislator Named)

Two options are offered. Option 1 satisfies completely the requirements of HB 12. It provides for staff and resources to disseminate information and provide financial and technical assistance. Option 2 would provide for a grants administration function, but would not allow for complete "information broker" activities such as a regular newsletter or grantsletter, or informational and "how-to" brochures, in-house research and studies.

A. Option 1

Personal Services

Northern Technology Program Manager	Range 23A	\$36,120
Research Analyst I (½-time)	13A	8,150
Clerk Typist III (½-time)	8A	<u>6,330</u>
		\$50,600
	Benefits @ 25.5%	<u>12,903</u>
		\$63,503

Travel and Per Diem

12 2-day intrastate trips	@ \$285	\$ 3,420
3 2-day interstate trips	@ \$400	<u>1,200</u>
		\$ 4,620

Contractual Services

Communication - newsletter, postage, telephone, telecopier		\$ 1,500
Professional services - newsletter, informational brochures, audio-visual programs, research and other studies and investigations		<u>15,000</u>
		\$16,500

Commodities

Office supplies, subscriptions		\$300
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Grants

As per Sec. 44.19.884(a)(2)		*
	Total	<u>\$84,923</u>

* FY 80 DPDP budget allocation of \$50,000 for Northern Technology activities.

Personal Services

Northern Technology Program Manager	Range 23A	\$36,120
Clerk Typist III (1/2-time)	8A	<u>6,330</u>
		\$42,450
	Benefits @ 25.5%	<u>10,825</u>
		\$53,275

Travel and Per Diem

8 2-day intrastate trips	@ \$255	\$ 2,280
8 2-day interstate trips	@ \$400	<u>800</u>
		\$ 3,080

Contractual Services

Communication - newsletters, postage, telephone, telecopier		\$ 1,000
Professional Services - newsletter		<u>2,000</u>
		\$ 3,000

Commodities

Office supplies, subscriptions		\$300
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Grants

As per Sec. 44.19.884(a)(2)		*
	Total	<u>\$59,655</u>

* FY 80 DFDP budget allocation of \$50,000 for Northern Technology activities.

Introduced: 1/24/79
Referred: State Affairs and
Finance

1 IN THE HOUSE

BY ROGERS

2 HOUSE BILL NO. 12

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 ELEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to northern technology; and providing
7 for an effective date."

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

9 * Section 1. FINDINGS. The legislature finds that there is a need for
10 development of small-scale and low cost alternatives for Alaskans in the area
11 of building design, food production, recycling, transportation, energy
12 generation, waste disposal, and small-scale residential and industrial enter-
13 prise. Therefore, the legislature finds that the development and wider use
14 of low-cost and small-scale technologies appropriate to Alaska should be
15 encouraged.

16 * Sec. 2. AS 44.19 is amended by adding new sections to read:

17 Sec. 44.19.882. OFFICE OF NORTHERN TECHNOLOGY. There is estab-
18 lished in the division of policy development and planning an office of
19 northern technology. The office shall be supervised by a coordinator
20 who must be familiar with northern technology.

21 Sec. 44.19.883. PURPOSE. The purpose of the office of northern
22 technology is to assist in the development and use of low-cost and
23 small-scale technologies appropriate to Alaska through the dissemination
24 of information and the provision of financial and technical assistance
25 to individuals and businesses in Alaska.

26 Sec. 44.19.884. DUTIES OF OFFICE OF NORTHERN TECHNOLOGY. (a) The
27 office of northern technology shall

28 (1) gather and disseminate information relating to all re-
29 search and development undertaken in regard to northern technology;

is this a
one time
funding? (Duffy)

\$10,000 (Petrinick)
and institutions
(Bob Gibson)

(2) as funds are appropriated, make grants of financial assistance of up to ~~\$5,000~~ to persons engaged in the development of northern technology:

(3) assist persons engaged in the development of northern technology to obtain financial assistance from all available sources; and

non-profit
organizations

(4) assist and advise the governor, the legislature, and all state departments and agencies in developing and implementing northern technologies;

liason w/ approp. local agencies

(b) Applications for grants made under this section shall be submitted to the office of northern technology. The office shall adopt regulations prescribing procedures for the review and approval of grant applications. Applications for grants under this section shall be processed by the office within 30 days of receipt. The office may make grants in coordination with other funding sources. An applicant for funds for a demonstration project shall include with his application a statement that the completed project will be available for public inspection.

who has right for patent
(Koss)

(Koss) - is this conceivable w/ one person in office?

* Sec. 3. AS 45 is amended by adding a new chapter to read:

CHAPTER 89. NORTHERN TECHNOLOGY REVOLVING LOAN FUND.

Sec. 45.89.010. FUND ESTABLISHED. There is established in the Department of Commerce and Economic Development the northern technology revolving loan fund to finance pilot projects in northern technology. Loans made under this chapter are to be used to develop and implement methods of energy generation, waste disposal, recycling, food production, transportation, building design, and industrial enterprise which are more efficient, and less costly and less energy-intensive than those methods presently utilized and which are appropriate to the Alaska environment.

1 Sec. 45.89.020. POWERS AND DUTIES OF THE DEPARTMENT IN ADMINIS-
2 TERING THE FUND. (a) The department may, after consultation with the
3 office of northern technology,

4 (1) make loans for the development and implementation of
5 appropriate technologies;

6 (2) adopt regulations necessary to carry out the provisions
7 of this chapter.

8 (b) The department, in coordination with the office of northern
9 technology, shall develop eligibility standards for loans made under
10 this chapter and adopt guidelines for the determination of loan terms.

11 Sec. 45.89.030. LOAN TERMS. (a) A loan for the development or
12 implementatio of a northern technology under this chapter may not
13 exceed \$10,000. *\$50,000 pr. project? Platnikof (\$20,000 (strachel rod))*

14 (b) The duration for repayment of the loan may not exceed 20
15 years.

16 (c) Loans made under this chapter may be used to finance no more
17 than 80 per cent of the cost of development and implementation of a
18 northern technology.

19 (d) All principal and interest payments on loans made under this
20 chapter shall be paid into the northern technology revolving loan fund.

21 (e) The rate of interest may not exceed eight per cent a year on
22 the unpaid balance of the loan.

23 Sec. 45.89.040. SALE OR TRANSFER OF MORTGAGES AND NOTES. (a) The
24 commissioner may sell or transfer at par value or at a premium or dis-
25 count to any bank or other private purchaser for cash or other consid-
26 eration the mortgages and notes held by the department as security for
27 loans made under this chapter.

28 (b) The commissioner may sell or transfer at par value to the
29 Department of Revenue the mortgages and notes held by the Department of

*AK - residency
loan required for
lower initial loss
in terms than
repayment*

1 Commerce and Economic Development as security for loans made under this
2 chapter. The Department of Revenue shall purchase all of these mort-
3 gages and notes offered, allowing the Department of Commerce and Econo-
4 mic Development a one-half of one per cent service fee.

5 Sec. 45.89.050. DEFINITIONS. In this chapter

6 (1) "commissioner" means the commissioner of commerce and
7 economic development;

8 (2) "department" means the Department of Commerce and
9 Economic Development.

10 * Sec. 4. AS 44.19.881 is repealed and re-enacted to read:

11 Sec. 44.19.881. DEFINITIONS. In AS 44.19.870 - 44.19.884

12 (1) "division" means the division of policy development and
13 planning;

14 (2) "director" means the director of the division of policy
15 development and planning;

16 (3) "northern technology" means the application in Alaska of
17 methods of energy generation, waste disposal, recycling, food produc-
18 tion, transportation, building design, and industrial enterprise which
19 ^{may be} are more efficient, ~~and~~ less costly and less energy-intensive than those
20 methods presently utilized.

21 * Sec. 5. This Act expires June 30, 1984.

22 * Sec. 6. This Act takes effect July 1, 1979.

23
24 *Bob Knowles*
25 *Kotzebue*
26
27
28
29

2/7

Rep. Miller:

Here is a list of the witnesses and observers
in Fairbanks who participated in the tele-
conference on 2/5, relating to HB 12.

Claudia Coyner
Teleconference Network

TELECONFERENCE HEARINGS



DATE: February 5, 1979

LOCATION: Fairbanks

SUBJECT: House Bill 12
Northern Technology

NAME	REPRESENTING	ADDRESS	PHONE	HERE TO OBSERVE	HERE TO TESTIFY
William McAmis	self	P. O. Box 2298 Fairbanks, AK 99707	456-7091		X
Ben F. Harding	Fairbanks North Star Borough	Box 1267 Fairbanks, AK 99707	452-4761		X
John Forrest	self	310 Juneau Fairbanks, AK 99701	456-2119		X
Sherry Modrow	Jane Galblum P. O. Box 80902 Fbks. 99708 456-2037	Box 2847 Fairbanks, AK 99707	452-8731		X
Russell Wertz	Alaska Federation for Community Self Reliance	S. R. 50667 Fairbanks, AK 99701	(message) 456-4552		X
Michael Simnowitz	Polestar Farm	P. O. Box 2750 Fairbanks, AK 99707	479-3257		X
Helen Ross	Fbks. Environmental Cntr.	431 Steese Fairbanks, AK 99701	452-5021		X
Mark Blumgartner	self (by mail)	P. O. Box 73312 Fairbanks, AK 99707			
Lec Leonard	self (by mail)		479-7798		
Donna Putnam		726 Moore Hall U of A/Fairbanks, AK 99701	479-7352	X	

ALASKA STATE LEGISLATURE

Legislative Affairs Agency

Pouch Y - State Capitol
Juneau, Alaska 99811

REGIONAL INFORMATION OFFICE

1024 West 6th Avenue
Anchorage, Alaska
99501
(907) 278-3668

February 5, 1979

Dear Representative Miller:

Enclosed for your information are copies of the announcements sent out on the hearing on HB 12 and copies of the sign-in sheets of those testifying and observing.


Judy Hopkins

HB 12 2/5 teleconference

Phone contacts at request of Representative Miller:

-Newton Chase 265-5383 *HUD*
-Lawrence Brys 279-5577 279-7691 ~~349-4524~~ *DNR*
-Clark Gruening 278-4691
-Sherry Valentine 279-2441
-Nancy Lee 274-3621 *Center for Environment*

TELECONFERENCE

A teleconference will be 11 a.m. to 1 p.m. Monday with public testimony on a bill to establish an office of Northern Technology and a Northern Technology Revolving Loan Fund. According to the House State Affairs Committee, the bill would encourage development and wider use of low cost and small scale technologies appropriate to Alaska.

Residents interested in presenting testimony may participate at the Anchorage Legislative Information Office, 1024 West Sixth Avenue. The office has more details at 278-3668.

Clubline

Friday, February 2, 1979, The Anchorage Times · 19

TELECONFERENCE HEARINGS



January 30, 1979

Contact: Judy Hopkins
278-3668

PUBLIC SERVICE ANNOUNCEMENT - run through 9:00 a.m. Monday, February 5

PUBLIC TESTIMONY ON A BILL ESTABLISHING AN OFFICE OF NORTHERN TECHNOLOGY
AND A NORTHERN TECHNOLOGY REVOLVING LOAN FUND WHICH WOULD ENCOURAGE
DEVELOPMENT AND WIDER USE OF LOW COST AND SMALL SCALE TECHNOLOGIES APPROPRIATE
TO ALASKA IS INVITED BY THE HOUSE STATE AFFAIRS COMMITTEE AT A TELECONFERENCE
SCHEDULED FOR 11:00 A.M. MONDAY, FEBRUARY 5.

AREA RESIDENTS INTERESTED IN PRESENTING TESTIMONY OR OBSERVING THE HEARING
MAY PARTICIPATE AT THE ANCHORAGE LEGISLATIVE INFORMATION OFFICE, 1024
WEST SIXTH AVENUE. FOR MORE INFORMATION, CALL 278-3668.

TELECONFERENCE HEARINGS



January 31, 1979

Contact: Judy Hopkins 278-3668

FOR IMMEDIATE RELEASE

HEARINGS SET ON NORTHERN TECHNOLOGY BILL

The House State Affairs Committee, chaired by Representative Mike Miller, will hold teleconference hearings on HB 12, northern technology, Monday, February 5 starting at 11:00 a.m.

The bill, sponsored by Representative Brian Rogers of Fairbanks, would establish an Office of Northern Technology in the Division of Policy Development and Planning to assist in the development and use of low-cost and small-scale technologies appropriate to Alaska through the dissemination of information and the provision of financial and technical assistance to individuals and businesses in Alaska. A Northern Technology Revolving Loan Fund would be established in the Department of Commerce and Economic Development to finance pilot projects in northern technology. Loans made would be used to develop and implement methods of energy generation, waste disposal, recycling, food production, transportation, building design, and industrial enterprise which are more efficient, and less costly and energy-intensive than methods presently utilized, and which are appropriate to the Alaska environment.

Area residents interested in presenting testimony or observing the hearing may participate at the Anchorage Legislative Information Office,

(MORE)

MORE ON HEARINGS -- NORTHERN TECHNOLOGY

1024 West Sixth Avenue. Witnesses may register in advance by calling
278-3668.

####

Name PAT PLETNIKOFF
Representing Alutian/Pribilof Islands Assoc.
Address 1689 C St. Anch. AK
Phone 278-3567

Here to TESTIFY
testified (1)
Here to OBSERVE _____

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

PAT PLETNIKOFF
(signature)

Have you participated in other legislative teleconferences? <u>NO</u> How many? _____	Would you have participated in this hearing if the network were not available? <u>NO</u>
How did you learn about this hearing? <u>Rural Cap</u>	If yes, did you use the network: _____ instead of travel _____ instead of phone conversations _____ instead of mailed testimony

Date: 2-5-79 Subject: HB 12 - Northern Technology Location: Anchorage

PLEASE PRINT

Name MICHAEL B. JONES
Representing HABITAT NORTH, INC.
ARCHITECTS & PLANNERS
Address P.O. BOX 2240 ANCH. AK 99510
Phone 277-3691

Here to TESTIFY
testified (2)
Here to OBSERVE _____

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

Michael B. Jones
(signature)

Have you participated in other legislative teleconferences? _____ How many? _____	Would you have participated in this hearing if the network were not available? _____
How did you learn about this hearing? _____	If yes, did you use the network: _____ instead of travel _____ instead of phone conversations _____ instead of mailed testimony

Date: 2-5-79 Subject: HB 12 - Northern Technology Location: Anchorage

Name Dee Lane, Energy Planner
Representing Rural CAP
Address 327 Eagle St
Phone ~~279~~ 279-2441 ext. 36

Here to TESTIFY
testified (3)
Here to OBSERVE _____

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

Dee Lane
(signature)

Have you participated in other legislative teleconferences? <u>No</u> How many? _____	Would you have participated in this hearing if the network were not available? <u>yes</u>
How did you learn about this hearing? <u>from Judy Hopkins & Ross Sobeloff</u>	If yes, did you use the network: _____ instead of travel _____ instead of phone conversations _____ instead of mailed testimony

Date: 2-5-79 Subject: HB 12 - Northern Technology Location: Anchorage

PLEASE PRINT

Name M. Thea Smelcer
Representing Self
Address Box 19 Copper Center
Phone 822-3424 (Anch 274-1358)

Here to TESTIFY
testified (4)
Here to OBSERVE _____

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

M. Thea Smelcer
(signature)

Have you participated in other legislative teleconferences? <u>No</u> How many? _____	Would you have participated in this hearing if the network were not available? <u>?</u>
How did you learn about this hearing? <u>Rural CAP / Anch. Times / Page</u>	If yes, did you use the network: _____ instead of travel _____ instead of phone conversations _____ instead of mailed testimony

Date: 2-5-79 Subject: HB 12 - Northern Technology Location: Anchorage

Name Nancy Lee Elskoh
Representing AK Center for the Environment
Address 1069 W 6th
Phone 274-3621

Here to TESTIFY
testified (5)
Here to OBSERVE

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

Nancy Lee Elskoh
(signature)

Have you participated in other legislative teleconferences? <u>No</u> How many? _____	Would you have participated in this hearing if the network were not available? <u>No</u>
How did you learn about this hearing? <u>Call from Rep Miller's Office</u>	If yes, did you use the network: <input type="checkbox"/> instead of travel <input type="checkbox"/> instead of phone conversations <input type="checkbox"/> instead of mailed testimony

Date: 2-5-79 Subject: HB 12 - Northern Technology Location: Anchorage

PLEASE PRINT

Name W B SCHOEPHOESTER
Representing AIP/A, Inc.
Address 1687 C st.
Phone 278-3567

Here to TESTIFY _____
Here to OBSERVE X

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

W B Schoephoester
(signature)

Have you participated in other legislative teleconferences? <u>No</u> How many? _____	Would you have participated in this hearing if the network were not available? _____
How did you learn about this hearing? _____	If yes, did you use the network: <input type="checkbox"/> instead of travel <input type="checkbox"/> instead of phone conversations <input type="checkbox"/> instead of mailed testimony

Date: 2-5-79 Subject: HB 12 - Northern Technology Location: Anchorage

Name

JOHN RANDALL

Here to TESTIFY ?

Representing _____

Address

817 N FLOWER ANCH.

Here to OBSERVE X

Phone

278-3144 99507

BROADCAST CONSENT: This proceeding may be broadcast live or recorded for later broadcast by radio or television stations. Please indicate your consent by signing below:

John H. Randall
(signature)

Have you participated in other legislative teleconferences? No How many? _____

Would you have participated in this hearing if the network were not available? YES

How did you learn about this hearing?

If yes, did you use the network:

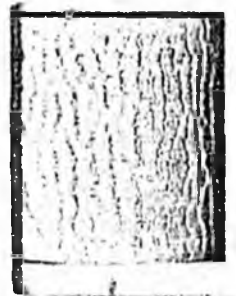
WORD OF MOUTH

- instead of travel
- instead of phone conversations
- instead of mailed testimony

Date: 2-5-79

Subject: HB 12 - Northern Technology

Location: Anchorage



Alaska State Legislature

TELECONFERENCE HEARINGS



February 5, 1979

House State Affairs
Pouch V
Juneau, Alaska 99811

Attn: Chairman Mike Miller/Rogers

Dear Sirs:

Enclosed please find two testimonies on "HB#12 - Northern Technology", one is given by Dr. John Kelley of Naval Arctic Research Laboratory and the other by Kent Grinage, Director of Utility Department, North Slope Borough.

Thank you.

Sincerely,

Emily Nusunginya
Moderator

Enclosures -2

MAYOR'S OFFICE
EXT. 211

PUBLIC SAFETY
EXT. 233

ADMINISTRATION AND FINANCE
EXT. 210

PHYSICAL PLANT
EXT. 244

PLANNING DEPARTMENT
EXT. 245

PUBLIC WORKS DEPARTMENT
EXT. 249

NORTH SLOPE BOROUGH

P. O. BOX 69
BARROW, ALASKA 99723
(907) 852-2611

ACCOUNTING
EXT. 239

HEALTH AGENCY
EXT. 265

ENVIRONMENTAL SECURITY
EXT. 255

PERSONNEL
EXT. 272

ASSESSING
EXT. 263

HOUSING AGENCY
EXT. 242

HUMAN RIGHTS COMMISSION
EXT. 252

House State Affairs Committee
Legislative Affairs Agency
Legislative Teleconferencing Network
State Capitol
Pouch Y
Juneau, Alaska 99811

February 6, 1979

Dear Sirs,

I must apologize for not being able to attend the Teleconference on HB-12: Northern Technology, held on February 5, 1979. However, I do appreciate this opportunity to testify in writing.

The proposed bill HB-12 addresses itself to many critical areas for rural Alaska. As structured, it can help many individuals and businesses in developing small-scale technology. It can help all rural areas in the dissemination of information concerning new developments.

The problem I have with this bill and the previous Alternate Energy Sources Bill is the small level of financial assistance. There seems to be a gross misconception on both the Federal and State levels that small-scale technological development can be achieved through small-scale funding. This is not so, especially when dealing with the total community and its problems.

One of the few demonstration projects which the State has undertaken along these lines was the Nelson Lagoon Windmill project which cost \$100,000 plus. The North Slope plans, in the near future, on converting its smallest village's energy source from oil to coal. This has been estimated to cost \$100,000. To date, I haven't been able to obtain any State or Federal assistance on this project. The Air-Cushioned Vehicle project scheduled for Kotzebue is funded for approximately 2.3 million dollars. It appears a greater financial commitment will have to be made in order to help resolve the rural area's problems with energy, transportation, waste disposal, etc.

I'm sure many feel the monies received from this proposed office can be used as seed money. I'm sure that for some projects this may be viable. However, for the majority of the projects, joint funding with various State and Federal units of government places a heavy burden on a rural area which does not have the human resource to administer several grants for one project.

We support this bill for the individual and businessman with an idea. We also support this bill for its potential of being an information center on new technologies. However, we feel that the bill falls short in its financial commitment and potential legislative impact. There needs to be a greater Federal and State commitment in helping the rural areas of Alaska resolve their stifling energy crisis.

I thank you for this opportunity to testify.

Sincerely,



Kent M. Grinage
Utility Manager
North Slope Borough

KMG/sj

cc: Eben Hopson, Mayor
Files

NAVAL ARCTIC RESEARCH LABORATORY

IN REPLY REFER TO

Ser: S-2245

5 February 1979

TO: House State Affairs Committee

FROM: Dr. John J. Kelley

John J. Kelley
Technical Director, NARLSUBJECT: Testimony for Teleconference Related to
HB-12: Northern Technology.

It is most important that the State of Alaska develop an effective program to address alternative technologies to meet future needs. It is well recognized that there are six possible energy systems available to the Western World for the next 20 years: Coal, oil, gas, nuclear power, importation and new technologies. The first four of these will not meet the foreseeable demands unless very strict energy conservation, even rationing, is considered. Squandering of fossil fuels will almost certainly be ruinous to our present standard of living. We must use all of the talents available to us if we are to adequately address this serious global problem.

A greatly increased standard of living in our northern regions coupled with a shift away from living off the land gives great impetus to the development of alternative technologies to ensure that we will retain a reasonable and healthful living standard. We already waste an abundance of energy by employing inadequate technologies related to food production, power, water, transportation, and many others. For example, it makes little sense to build long roadways and power transmission lines to service small communities when the development of local resources and alternative technologies may be preferred. The use of greenhouses in high latitudes has great potential but is poorly developed. The use of coal, solar energy, and wind may be preferred in areas where other energy sources are not available or too costly to sustain for long periods of time. Building technology must be greatly improved to meet high latitude climatic demands. The cost of research and development now may offset a much more costly alternative later. It is all too often that we wait until the situation is critical before we address the problem. The result of these "crash" programs is often wasteful and inadequate. It is true that we need energy not only now but for future generations. However, this energy need takes many different forms and we must plan accordingly and in a timely and deliberate way. I cannot stress the point enough that the transfer of technical information to the public as well as to scientists, engineers, and technologists is vital. Awareness of the need to seek rational and cost effective solutions to energy-related problems through education must be encouraged. I strongly endorse House Bill 12.

Inventors Day Is Reminder That Jobs Can Be Created

By JOHN CUNNIFF

NEW YORK (AP) — The most effective way to produce jobs is to invent them, said the gentleman. He wasn't being superficial. Jobs can be invented, he said. Productive jobs, not federal make-work projects.

Such as the electric light bulb which, he noted, developed into an industry that since 1879 has provided work for scores of millions of people in dozens of industries relying upon electric power.

Or the airplane, which gave rise to millions of jobs in engineering, construction, piloting, traffic control, maintenance and the like, or the analytical engine, which developed into today's digital computer.

With nagging unemployment and nagging productivity growth two of the country's biggest problems, invention will be acclaimed, celebrated and honored this year in dozens of pageants, fairs, exhibits and the like.

President Carter proclaimed Edison's birthday, Feb. 11 (1847), as National Inventors' Day. Fort Myers, Fla., his winter home, began a two-week pageant today. Centennial of Light events, recalling the light bulb's invention on Oct. 21, 1879, are scheduled throughout the year.

It's as if to invoke the spirit of the Edisons, Wrights, Bells, Fords, Marconis (radio-telegraph), Goddards (rocketry) and other productive tinkerers who launched the industrial world of the 20th century.

The question on many a mind, however, is whether ceremony is enough. Sociologists claim the spirit is gone, conquered by big business and big government. Critics of education say it, too, stifles curiosity.

You'll get an argument on such claims. In the past three decades or so, you are reminded, we've split the atom, broke the sound barrier, conquered polio, explored space, developed instant photography, perfected the computer, made television a household fixture.

What's different today, say scientists, is that invention is often so complex and costly it may require the efforts of many individuals, disciplines, and laboratories — as well as business and government.

Jim Cook, president of the Thomas Alva Edison Foundation, Southfield, Mich., isn't so sure. He feels that our attitudes toward education, formal and in the home, do indeed tend to discourage investigation.

What should be fun, what should arouse the youngster's curiosity, he suggests, is presented as something sterile and difficult. "There's no reason why it shouldn't be fun," he says.

"Science is human."

In Cook's view, we should seek to have children experiment for themselves, even if it sometimes means taking risks, even if it means breaking something. Edison did too.

Cook feels also that, the tax structure being what it is, the incentive to invent and develop a product might not be what it was. But he seems to concentrate on the negative educational approach.

"I am alarmed, and I hope all of you are," he said in a recent address, "that in over half of this country's schools not even a basic course in physics is offered."

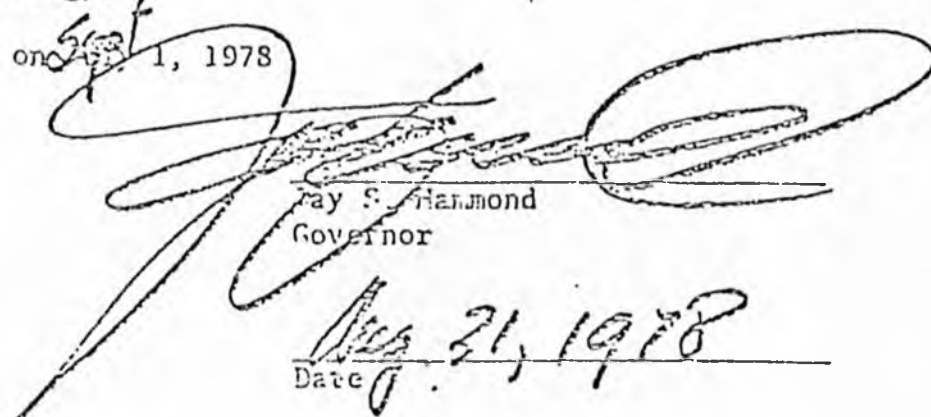
Under the authority of Article III, Section 1, Alaska Constitution and AS 44.19.880(c), I hereby establish, within the Division of Policy Development and Planning, the Office of Northern Technology.

(a) The Office of Northern Technology shall:

- (1) assist the Governor, the legislature, and all state departments and agencies in developing and implementing small-scale northern technologies;
- (2) gather and disseminate information and serve as a statewide clearinghouse for small-scale northern technologies;
- (3) as funds are made available, make grants of financial assistance to persons engaged in the development of small-scale northern technologies;
- (4) assist persons engaged in the development of small-scale northern technologies to obtain financial assistance from all available sources;
- (5) serve as intergovernmental liaison for the state of Alaska in the area of small-scale northern technologies; and,
- (6) coordinate its activities with those of the Alaska Council on Science and Technology.

(b) The Division of Policy Development and Planning shall, where appropriate, adopt procedures and guidelines for review and approval of grant applications submitted to the Office of Northern Technology.

This Order takes effect on ^{Sept} ~~July~~ 1, 1978


Ray S. Hammond
Governor

Date Aug 31, 1978

JSH:jp
7/13/78