

Original sponsors: Rogers, Brown,
Buchholdt, et al

Offered: 2/25/81
Referred: Rules

Funding Information

General Fund \$5,398,600
Other Funds -0-
\$5,398,600

1 IN THE HOUSE

BY THE FINANCE COMMITTEE

2 CS FOR HOUSE BILL NO. 173(Finance) am

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 TWELFTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act making appropriations for residential energy
7 programs; and providing for an effective date."

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

9 * Section 1. The sum of \$2,550,000 is appropriated from the general fund
10 to the residential energy conservation fund, Department of Commerce and
11 Economic Development, for refunds and grants under AS 45.89.020.

12 * Sec. 2: The sum of \$2,113,600 is appropriated from the general fund to
13 the Department of Commerce and Economic Development for costs of performance
14 of residential energy audits under AS 46.11.030 for the fiscal year ending
15 June 30, 1981.

16 * Sec. 3. The sum of \$735,000 is appropriated from the general fund to
17 the Department of Commerce and Economic Development for contracts with
18 municipalities and communities in rural Alaska for performance of energy
19 audits and for energy conservation improvements under AS 46.11.030(c) and
20 AS 45.89.020(c)(2).

21 * Sec. 4. The unexpended and unobligated portions of the appropriations
22 made in this Act lapse into the general fund June 30, 1982.

23 * Sec. 5. This Act takes effect immediately in accordance with AS 01.10.-
24 070(c).

25
26
27
28
29

HOUSE BILL 173

| | |
|---|------------------------|
| <u>100 PERSONAL SERVICES</u> | <u>\$ 14,315</u> |
| 3 Energy Specialist I (16A) \$2211/mo. x 1 mo. plus 25.5% payroll burden x 3 = | \$ 8,325 |
| 2 Administrative Assistant I (12A) \$1695/mo. x 1 mo. plus 25.5% payroll burden x 2 = | \$ 4,255 |
| 1 Clerk Typist III (08A) \$1335/mo. x 1 mo. plus 30% payroll burden = | \$ 1,735 |
| <u>200 TRAVEL</u> | <u>\$ 7,600</u> |
| 15 trips @ \$300 | \$ 4,500 |
| 38 days per diem @ \$80 | \$ 3,100 |
| <u>300 CONTRACTUAL</u> | <u>\$2,368,505</u> |
| Professional Services | |
| Technical review and upgrading residential audit | \$ 15,000 |
| Development of commercial and institutional energy audit standards | \$ 25,000 |
| Revision of auditor training materials | \$ 5,000 |
| Instructor fees for four intensive auditor training workshops (Sitka, Unalaska, Dillingham, Nome) | \$ 12,000 |
| Instructor fees for 10 auditor recertification and proficiency upgrading workshops (2 Fairbanks, 3 Anchorage, 1 Juneau, 1 Ketchikan, 1 Bethel, 1 Kodiak, 1 Barrow) | \$ 26,400 |
| Monitoring of completed energy audits (These funds will be used to ensure that the audit quality is maintained by all energy auditors performing the State Energy Audit. These funds will provide quality control checks on all audits completed. On-site checks will be made on audits.) | \$ 108,055 |
| Homeowner workshops and public education. "How-to- do-it" homeowner workshops to be sponsored in 10 Alaskan communities and publicity of availability of program | \$ 40,000 |
| Statistical analysis and information retrieval | \$ 50,000 |
| Energy audits (11,428 @ \$175) | \$2,000,000 |

| | |
|--|--------------------|
| Space Rental | |
| 6 (\$1.50/sq. ft. x 150 sq. ft. x 3 mo.) = | \$ 4,050 |
| Phones, Copying, Etc. | \$ 3,000 |
| Printing | |
| Training Materials | \$ 10,000 |
| Audit Forms and Manuals | \$ 70,000 |
| <u>400 SUPPLIES</u> | <u>\$ 1,000</u> |
| <u>500 EQUIPMENT</u> | <u>\$ 8,180</u> |
| 2 Calculators @ \$100 = | \$ 200 |
| 2 Programmable calculators @ \$240 = | \$ 480 |
| 3 Selectric typewriters @ \$900 = | \$ 2,700 |
| 6 Desks, chairs, files @ \$800 = | \$ 4,800 |
| <u>700 GRANTS, CLAIMS, ETC.</u> | <u>\$3,000,000</u> |
| 10,909 grants and refunds @ \$275 | |
| TOTAL | <u>\$5,398,600</u> |



ALASKA RESIDENTIAL ENERGY CONSERVATION PROGRAM

In July, 1980, the Alaska Legislature enacted a comprehensive energy act, SB 438. Included in the provisions of the act is the establishment of a Residential Energy Conservation Program. The Program provides for State-financed energy audits of residences with grants/refunds and low-interest loans for the homeowner to implement the energy saving improvements recommended by the audit.



ENERGY AUDIT

A home energy audit approved by the State of Alaska must be made before an energy conservation grant/refund or loan can be made. An energy audit is a site visit to the home in which an inspection of the building is made to determine its energy consumption characteristics. The audit would include a calculation of the building's heat loss and recommended energy conservation measures with calculated energy cost savings attributed to the energy improvements.

State of Alaska Financed Audits



The Division of Energy and Power Development has developed a program that will provide for State financed energy audits for Alaskans upon request. The Division of Energy has contracted with specially trained and certified auditors to participate in the State-financed Residential Audit Program. Only those auditors under contract with the Division of Energy will be able to perform audits under the program.

A person requesting an energy audit is only required to pay \$10 fee to the auditor for the audit. The State will pay the balance (the real cost of the audit) when the audit has been performed under contract and by a State certified auditor. The audit will include a site visit of the home and an analysis of the energy consumption characteristics of the residence. Recommended energy conservation calculations of the energy cost savings will be provided.

Persons requesting an audit should contact a State contractor. Current lists of contractors for energy audits are available from the Division of Energy and Power Development.



ENERGY CONSERVATION GRANT/REFUND

The Division of Energy and Power Development will make refunds or grants for the purchase and installation of energy-saving improvements that are recommended in an approved audit and shown to pay for themselves in seven years less in energy savings. The refund or grant is for an amount up to \$300 for a single-family dwelling and \$200 for each unit in qualified multi-family dwellings. A refund will be made for those who wish purchase the recommended energy-saving measures immediately. A grant is applied for in the case where one is willing to wait for or not capable of purchasing the material. For a grant you would obtain an estimate for the required materials from a vendor and submit the estimate with your application. Applications for refunds and grants will be provided by the auditor.



ENERGY CONSERVATION LOAN

Individuals who have received an approved audit of their home may also qualify for a 5% interest loan up to \$5,000 for energy conservation improvements that the energy audit shows to have a payback of less than ten years. The Division of Business Loans administers the program.

To apply, contact the Division of Business Loans:

Anchorage: 2600 Denali Street, Suite 401
Anchorage, Alaska 99501
PH: (907) 274-6693

Fairbanks: 675 7th Avenue
Fairbanks, Alaska 99701
PH: (907) 452-8182

Juneau:
P.O. Box 10
Juneau, Alaska 99801
PH: (907) 465-2510



ALASKA RESIDENTIAL ENERGY CONSERVATION PROGRAM

PROGRAM STATUS

MARCH 31, 1981

In July 1980, the Alaska Legislature enacted a comprehensive energy act, SB 438. Included in the provisions of the act is the establishment of a Residential Energy Conservation Program. The program provides for State-financed energy audits of residences with grants/refunds and low interest loans for the resident to purchase the energy saving improvements recommended by the audit.

The legislation mandates that a home energy audit approved by the Division of Energy and Power Development must be made before an energy conservation grant/refund or loan can be made. An energy audit is a site visit to the home by a State trained and certified auditor in which an inspection of the building is made to determine its energy consumption characteristics. The audit includes a calculation of the building's heat loss and will recommend energy conservation measures with calculated cost savings attributed to the energy improvements. The Division of Energy and Power Development has trained and contracted with a number of auditors Statewide to participate in the program. A person requesting an energy audit is only required to pay a \$10 fee to the contracted auditor. The Division of Energy will pay the balance of the real cost of the audit.

After the audit has been completed, the Division of Energy and Power Development will make refunds or grants for the purchase and installation of energy-saving improvements that are recommended by an approved audit and shown to pay for themselves in seven years or less in energy savings. The refund or grant is for an amount up to \$300 for a single-family dwelling and \$200 for each unit in qualifying multi-family dwellings. A refund will be made for those who wish to purchase the recommended energy-savings measures immediately. A grant is applied for in the case when one is willing to wait for, or is not capable of, purchasing the materials.

Individuals who have received an approved audit of their home may also qualify for a 5% interest loan up to \$5,000 from the Division of Business Loans for energy conservation improvements that the energy audit shows to have a payback of less than ten years.

The following represents the status of Alaska Residential Energy Auditing Program as of March 15, 1981.

1. Refunds and Grants (average processing time: 2 days)

| <u>March 1-31, 1981</u> | <u>No. of Grants</u> | <u>No. of Refunds</u> | <u>Total</u> |
|-------------------------|----------------------|-----------------------|--------------|
| Requests Received | 237 | 294 | 531 |
| Requests Processed | 230 | 281 | 511 |
| Amount Disbursed | \$68,719.44 | \$82,156.29 | \$150,875.73 |
| <u>Total to Date</u> | | | |
| Requests Processed | 782 | | |
| Amount Disbursed | \$228,434.31 | | |

Refund/grant requests have been processed from the following communities:

Fairbanks, Anchorage, Homer, Kenai, Wasilla, Palmer, Juneau, Haines, McKinley Park, Seward, Ketchikan, Port Graham, Delta Junction, English Bay, Auke Bay, Valdez, Ward Cove, Cantwell, Willow, Talkeetna, Anchor Point.

2. No. of Audits in Contract: 7,208
 Monetary Amount of Contracts: \$1,013,345
 Audits Completed: Billing has been received for 3,112 completed audits, actual cost: \$354,423.70

3. Auditor Training Program

a. Training Classes Completed

| <u>Class Location</u> | <u># Students</u> | <u># Certified</u> | <u>Class Location</u> | <u># Students</u> | <u># Certified</u> |
|-----------------------|-------------------|--------------------|-----------------------|-------------------|--------------------|
| Fairbanks | 120 | 81 | Anchorage | 170 | 57 |
| Mat-Su | 44 | 34 | Juneau | 40 | 26 |
| Kodiak | 29 | 15 | Kenai | 20 | 18 |
| Ketchikan | 18 | 15 | Valdez | 16 | 10 |
| Bethel | 14 | 12 | Barrow | 8 | 8 |

b. Training Sessions Planned (dependent on passage of HB 173)

| | | | |
|-------------|-------------------|-------------|---------------------|
| Sitka: | May 1-9, 1981 | Nome: | April, 1981 |
| Kotzebue: | April 20-25, 1981 | Haines: | May 13-23, 1981 |
| Sand Point: | April 20-25, 1981 | Petersburg: | May 11-21, 1981 |
| Ft. Yukon: | April 20-25, 1981 | Dillingham: | May 27-June 6, 1981 |

4. Certified Auditors by Residence Location

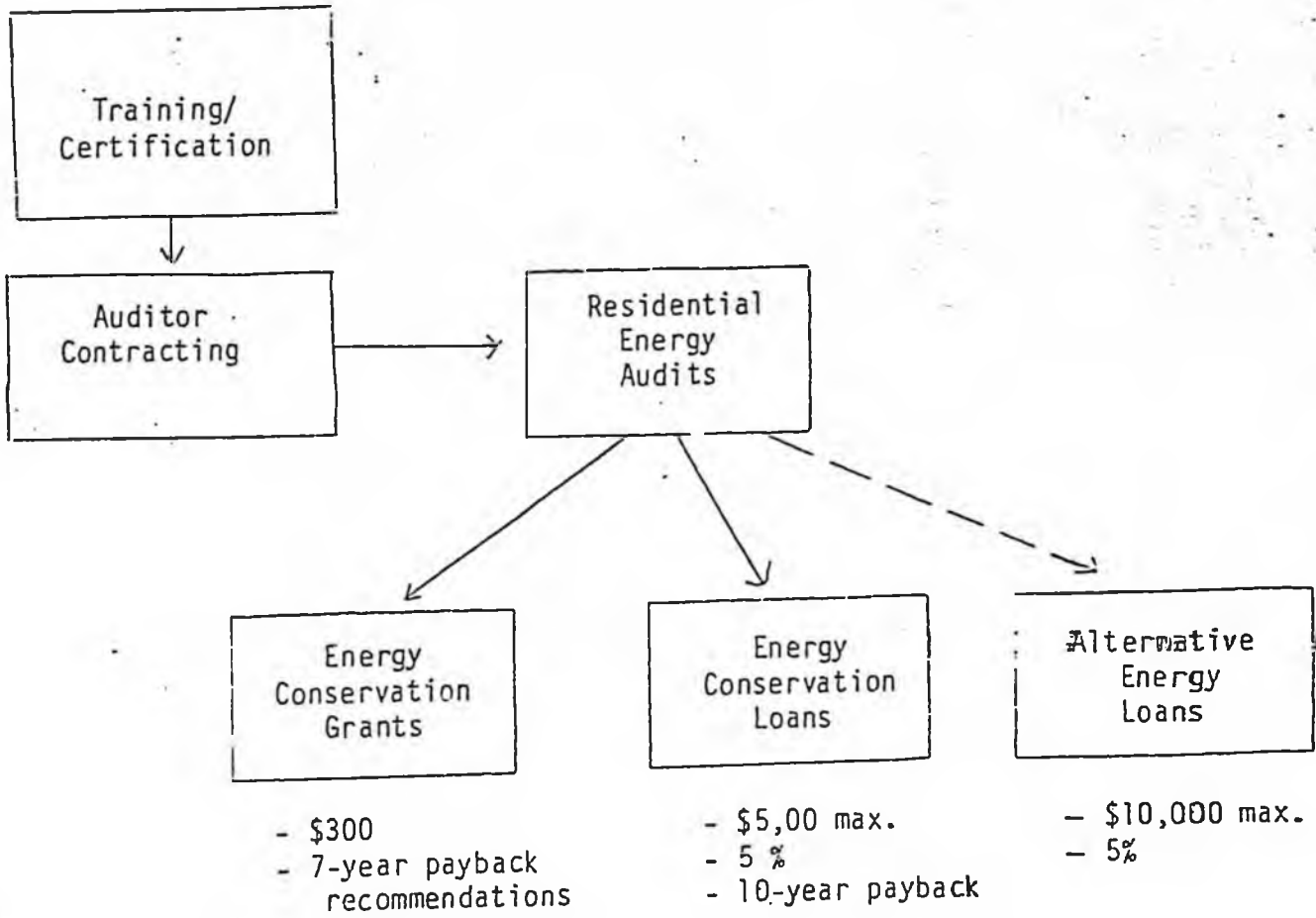
| <u>Location</u> | <u># Auditors</u> | <u># Contracts</u> | <u>Location</u> | <u># Auditors</u> | <u># Contracts</u> |
|---------------------------|-------------------|--------------------|-----------------------|-------------------|--------------------|
| Fairbanks | 81 | 29 | Anchorage | 59 | 23 |
| Mat-Su | 37 | 8 | Juneau | 27 | 8 |
| Kodiak | 19 | 12 | Ketchikan | 9 | 1 |
| Homer | 7 | 2 | Soldotna/ Sterling | 4 | 1 |
| Seward | 3 | 4 | Valdez | 5 | 1 |
| Nome | 2 | 1 | Delta Junction | 2 | 2 |
| Haines | 1 | 1 | Wrangell | 1 | 1 |
| McKinley Park | 1 | 1 | Tok | 1 | 0 |
| Cordova | 3 | 0 | Bethel | 5 | 0 |
| Dillingham | 4 | 0 | Aniak | 1 | 1 |
| Barrow | 8 | 0 | Portage Creek | 1 | 0 |
| Unalaska- Dutch Harbor | 1 | 1 | | | |

5. Contract Locations:

(contracts are currently in effect for the following locations)

Anchorage, Juneau, Mat-Su, Tanana, Ketchikan, Valdez, Nome, Kodiak, Unalaska-Dutch Harbor, Seward, Homer, Haines, Fairbanks, McKinley Park, Delta Junction, Bethel, Wrangell, Aniak

Residential Energy Conservation Program



Popular state energy audits draw huge response from homeowners

70
25

By JEANNE ABBOTT
Daily News homes editor

The biggest bargain in town has homeowners beating a path to the doors of a new collection of businesses

called energy auditors. For only \$10, a homeowner (or renter) can have his home analyzed for energy efficiency. Although the audit costs an average of \$125 to perform, the state picks up most of the cost. Most auditors are swamped with requests for the service.

"We've had an overwhelming response," says Dana Hedden of Heat Loss Analysis, one of 20 firms in Anchorage certified to perform the state-subsidized audits. "There are more requests for audits than money allocated for them."

The legislature appropriated \$1.2 million for the residential audits for fiscal year 1981. According to Steve Vaden of the Alaska Energy and Power Development office, the money for the audits has already been contracted out.

"When the auditors complete their contract, we won't be able to renew unless the legislature appropriates more money," Vaden said this week.

"But because we've committed the money doesn't mean a homeowner can't get an audit. If the quota hasn't been filled, an auditor can provide the

6 The grants are going faster than the loans, because it's upfront money.

service until his money runs out."

Based on the strong response, it is expected that most quotas will be filled by mid-March. The audits only began eight weeks ago.

Says Vaden: "Some contracts will run out faster than others."

When a homeowner or renter calls a company to request an audit, the appointment will generally be arranged for a two- to-three hour period.

During the appointment, an auditor will make an on-site inspection of the heating system, insulation, caulking and weatherstripping plus looking at the history of energy bills.

Vaden says all of the auditors were trained in November and passed an examination to be certified.

"An auditor will write up a report indicating how much energy a home is losing, and what can be done to improve the situation," he says.

The state legislature also appropriated money for outright grants and loans to undertake measures recommended by the audit.

Some \$2.2 million was allo-

cated for the grants which provide \$300 per housing unit (\$200 for a duplex) to fund the simpler measures — insulation, caulking, weatherstripping.

For major projects, like heat conversion, there are loans of up to \$5,000 available at low interest. The loans are administered through the state Division of Business Loans. They are part of a \$1.6 million program.

Vaden said 79 grants had been awarded through the energy office, and 42 of those were dedicated in January. The total amount awarded is \$22,000.

"The grants are going faster than the loans, because it's upfront money," says Vaden. With the grants, an audit must show that the money can be recouped in energy savings within seven years.

"Out of the \$22,000 we can already project a \$16,000 savings within the first year alone," he says. "That's pretty encouraging."

There are a total of 68 auditors certified statewide in Anchorage, Fairbanks, the Mat-Su Valley, Kodiak, Kenai, Juneau and Ketchikan. Training programs are yet to be held in Valdez, Bethel and Barrow.

Vaden said Gov. Jay Hammond has asked the legislature to continue the program, with an 8 percent increase in funding.

Numbers to call for an audit are:

- Alaska Energy Audits — 277-9342.
- Alaska Home Evaluators — 276-9254.
- Anchorage Community Development Corp. — 276-1625.
- Garnet-Adams — 349-4729.
- Bilderbach Enterprises — 344-5736.
- Chugach Electric Association — 276-3500.
- Arctic Energy Management — 266-1511.
- Heat Loss Analysis — 277-1601.
- Kyle Green — 376-5920.
- Charles Johnson — 688-2036.
- John Matus — 349-5007.
- C. Howdy Smith — 333-0709.
- Fred Thoman — 337-5600.
- Alaska Weatherbeaters — 243-5029.
- Pat Meyer — 344-5163.
- Charles Richner — 333-0272.
- Jean Currey — 344-8543.
- D. C. S. Energy Audits — 204-4070.
- Relches Services — 276-3788.
- John Werner — 276-6879.

ENERGY AUDITS, \$\$\$ FOR NOME

"I'm ready to go. I've got my forms. I'm all ready to move."

With these remarks and recent appointment as state certified energy auditor, Frank DeCostanzo is ready to inaugurate a new service for Nome. A service unfamiliar to the sweating pipes, stuffy attics, and shivering foundations of his fellow tradesmen.

DeCostanzo's is a paper-filled world of forms and red tape, of calculators and calculations, but Frank and the bureaucracy he represents is in a position to help the homeowners of this area.

With oil prices skyrocketing and energy use of all types becoming increasingly more expensive, the State of Alaska passed in July 1980 a Residential Energy Conservation Program. As energy auditor Frank and his new service is the first signal of the state's involvement. It's the tip of an iceberg, with more beneath the surface than what meets the eye. His program provides for state-financed energy audits of residences, with grants and rebates, and low interest loans, for homeowners to implement the energy savings improvements recommended by the audit. The grant allows \$300 for a single family residence, and \$200 per unit for duplexes. According to Frank, the grants are there for the asking. And for homeowners willing to invest more seriously in an energy-efficient future, state financed loans up to \$5000, at five per cent interest, are available for improvements the auditor calculates will pay for themselves in energy savings in ten years or less. That include more insulation, better weatherstripping, thermal windows and doors, insulated shutters, a new heating system. It might include a sunporch or solar greenhouse, or for those remote souls on the periphery of our town, and even those on the utility grid, a wind energy system.

Hoping to be the first kid on my block to have his home audited, I contacted Frank and coughed up the ten dollar fee. My wife got her licks in first, complaining that the chore list for our home had long ago been developed. But Frank began by

measuring all the rooms. I saved him a nasty foundation crawl, by describing what was underneath. We then discussed the building's construction; walls, floors,



TINKER, TAYLOR...BEGGERMAN, THIEF??? Nome's Frank DeCostanzo is cooling his residence, but not for safecracking purposes. He's the new state certified energy auditor, and his program will help all of us who burn oil and power in Nome.

roof and ceilings, and what materials were actually used. Frank asked for our energy costs for 1980, fuel use and electricity. Boiler type, hot water heater, major appliances, how often exterior doors were opened and traffic flow, the patterns of our family energy use - all are included and more in this comprehensive study.

I counted at least twenty forms that Frank had to fill out. Part of his service is an offering; a state brochure entitled "Your Home Energy Audit: the First Step to More Energy-Efficient Living." Included is a comprehensive account of the state's program, what it is and what it can do, where to go for more information, and a series of energy conserving practices that homeowners can apply at any time to their lifestyle.

After these preliminaries, Frank returns to his office, to work out his calculations and research our situation. It is an expensive audit, paid for largely by the State of Alaska.

Yet to come, at this writing, are his recommendations and his final report. It will involve a series of measures for energy conservation, an estimate of materials costs for each, and estimate of labor costs for their installation. Also included will be the costs in actual energy savings, and how long the improvements will take, to actually pay for themselves. For our home the recommendations might include additional insulation for the floor, better weatherstripping, a storm porch or two, a more efficient boiler. But whatever they are, they will have the weight of the State of Alaska behind them. A state-audited home gives the homeowner access to those state grants and loans for energy improvements.

A white collar type who has pushed agency pencils for his four years in Nome, first for Social Services and now Kawaruk, Frank DeCostanzo at first glance is an unlikely candidate for the blue collar world. But for his unique service, Frank has impeccable credentials. Light on actual trades experience, Frank nevertheless understands how homes are put together. For eight and one-half years Frank was an architectural draftsman and

designer. In addition, Frank managed to graduate, one of the few to do so, from the State's energy auditor crash course in Anchorage. It lasted one week, and seventy per cent of the enrollees crashed; they failed the final.

"It was extremely intense," recalls Frank. "I was up to 1 PM every night, with studying and testing every day." The Fairbanks group fared no better. Only 11 of 44 passed their exam.

Why is Frank DeCostanzo an energy auditor? "It's a neat opportunity to do something creative. When you consider the incredible cost of power and fuel in this region, there is a definite need."

The ten dollar audit fee is a good investment, and cheap entry into our very expensive energy future. Nome homeowners need not be bashful about requesting their audits. The need is present, Frank's forms are ready, and the money is there for the asking. Rich Rusk

Anchorage Times
Anchorage, AK
FEB 3 1981

Energy audits now hot item

Associated Press

Anchorage — The \$1.2 million appropriated by the 1980 Legislature for residential energy audits in fiscal 1981 will be obligated by mid-March, the Division of Energy and Power Development says.

Director Clarissa Quinlan said during the last eight weeks alone the division has contracted for some 6,300 residential energy audits at a cost of \$1 million.

The program provides for state-financed energy audits of homes, with grants, refunds and low-interest loans available for energy conservation measures recommended by the audits.

Gov. Jay Hammond has asked the Legislature to continue the program at a similar level of funding for fiscal 1982, but that money, if approved, will not become available until July 1.

Fairbanks
News Miner
Fairbanks AK
MAR 13 1981

25
Likes audits

4061 Evergreen Ave.
Fairbanks
March 6, 1981

To the Editor:

I wish to thank the State of Alaska, Division of Energy & Power Development, for our Energy Audit Program.

This is one program that appears to truly give something back to the residents of Alaska.

We have had our Energy Audit and, as a result, have been able to buy energy saving material for our home that will benefit us for a long time. Even though we could not purchase everything recommended on the Audit, we at least know what we may do in the future to make our home more energy efficient. Some of the recommendations do not require purchasing any materials, just being more careful.

I am employed by one of our local

Building Supply Stores so have been able to realize more fully just what the program has meant to some of our residents, especially the Senior Citizens and those on limited incomes. What a rewarding experience it has been to talk and share their plans. They are able, through the program, to make some badly needed improvements which they would not have been able to afford with their limited budgets.

Hopefully, more funds will be appropriated in the near future to continue this program.

A special thanks to all the "Energy Auditors." All comments have been complimentary regarding the thoroughness of the audits.

Sincerely,
Pam Linsey

Anchorage Times
File 2017451
Energy audit

Dear Editor:

Last week on a local radio station I heard a public service announcement concerning an energy audit which could be provided by the state of Alaska for a \$10 auditor fee. I called the radio station and they gave me a telephone number of a Mr. Smith who is an energy auditor.

I called Smith and was given an appointment date. When the energy auditor arrived at my home he was very professional. He sat down at our kitchen table and through an interview gained all types of information about our home. Then Smith and I went through every room of our home. The auditor measured all the windows, doors and other openings in our home. With the aid of a ladder he went up into our attic and crawled on his hands and knees from one end to the other. He then went into our crawl-space, which is only three feet deep, and did the same thing.

He found that our home had a number of places that were causes of heat loss. The results of his audit showed that we needed more insulation on the ceiling. We need to have

our windows and doors sealed better. His inspection of our heating system resulted in us having the system cleaned and adjusted.

I called the state office in the MacKay Building that the auditors work out of to obtain the necessary information to obtain a grant or refund to have our home repaired. The auditor had left a lots of information with me, but I needed more complete details.

During the conversation with the state people, I was told that very few people were taking advantage of the state-approved home audits. I really think this is a big mistake. Even if a person did not desire to apply for a grant or a refund, it is well worth \$10 to know of the heat losses in your home and the ways you could save your money and the world's energy by having an audit.

My hats off to the state for this one and to the auditors who do such a outstanding job to help us all for only \$10, well spent.

Joe H. Goreman
Box 1012
Anchorage

State takes conservation lead with residential energy audits

By Empire Staff

Alaska took the lead in residential energy conservation last spring when the Legislature created a comprehensive energy act.

Part of the legislation provides for state-financed energy audits of residences with grants-rebates and low-interest loans available to the homeowner who wants to implement the improvements recommended by the audit. There is no obligation to make any of the improvements suggested by the audit.

For \$10 a resident can have his home inspected by a specially contracted auditor—not a state employee—to find out where heat losses are occurring and receive recommendations on how to make the home more energy efficient.

The two to three hour audit costs about \$128, but the state pays for all but \$10 of the audit.

People interested in having an energy audit of their home should contact Steve Shannon, an energy specialist with the Division of Energy and Power Development at 465-2591 or write to him at Pouch "D", Juneau, Alaska 99811.

An auditor will make a variety of recommendations ranging from no-cost energy-saving projects a homeowner can do himself to massive

undertakings such as installing insulation, said Shannon. An auditor will take a look at the insulation levels of the home, the hot water system, the heating system, and cracks around the window and doors, said Shannon. The auditor will also take a "thumbnail look" at the solar potential of the home, he said.

There are no income requirements in order for a person to qualify for an energy audit. Once an audit is completed the state will make rebates or grants of up to \$300 for the purchase and installation of energy saving improvements that are recommended by an approved auditor and shown to have a payback of seven years or less, said Steve Baden, public information officer for the Division of Energy and Power Development.

People who have received an approved audit of their home may also qualify for a 5 percent interest loan up to \$5,000 for energy conservation improvements that the energy audit shows to have a payback of less than 10 years.

Audits in Juneau are just beginning with the opening of a new energy office to serve Southeast. The office is located on the ninth floor of the State Office Building.

Juneau News
Fairness
DEC 11 1980

Audits save money, energy

By Sharon Resnick

HAINES — You don't get much for nothing these days, but you can get a lot for almost nothing if you take advantage of the state-sponsored energy audit program and then follow the recommendations given as a result of that audit.

According to energy auditor Bob Schwalbach, "It'll cost people more not to participate in this program than it will cost them to participate."

It will cost Haines, Skagway and Klukwan area residents \$10 to have an energy audit on their home. The state picks up the rest of the \$155 tab for the auditor who will come to your home to look for places where energy is being consumed needlessly.

It is then the auditor's job to determine which of the "energy drains" could most quickly pay for itself if corrected, Schwalbach said. A seven-year pay-back period is used by the state to determine the cost-effectiveness of energy-loss remedies, he said.

In addition to paying for the bulk of the audit cost, the state will also grant up to \$300 and or loan up to \$5,000 at five percent interest rates for up to ten years to applicants who intend to follow the energy-saving recommendations of the auditor.

Other programs available to energy-conscious dwellers are the alternative energy revolving loan fund and credits on federal income tax. Unlike the grant program or the other loan program, neither of these two programs require that an audit be done.

The revolving loan fund will provide loans for people who want to use alternative energy methods such as windmills, solar energy or even the tried-and-true wood-burning stoves. The five percent loan can be up to \$10,000 for up to 20 years.

Schwalbach said that though he does not anticipate a shortage of grant or loan funds, he can only guarantee that about 50 audits will be done between now and the middle of March unless supplemental funds are made available to the energy program by the legislature. There is a possibility for more audits if a large number of people ask for them early enough, he might be able to justify a request for additional audits, he said.

Schwalbach is especially interested in seeing that low-income people are able to take advantage of the program.

"They are the people who would benefit the most, yet they are usually the last to know about such programs," he said.

It has been estimated that 30 to 40 percent of America's energy needs could be met by energy management.

According to statistics, 20 percent of America's energy is used to heat residences. In many cases relatively small purchases and simple installation procedures such as caulking, weather stripping and storm windows could lessen that percentage drastically, Schwalbach said.

"I'm not going to recommend to them anything that won't save them money."

Those interested in having an energy audit should call Schwalbach at 766-2397

rd Builders Supply

SBS Minnesota

Tudor & Minnesota
Anchorage 279-8611

SBS Wasilla

1 Mile 44 Park Hwy. 50876-5231

SBS Fairbanks

100 Railroad Ave. 452-5051

We've got it all!

Building Up To Spring!



As the days get warmer, the days are longer and Mother Nature's building up to spring. You can start building too . . . and add up savings with specials like these:

Receive up to \$300 to make your home energy efficient!

March 20 and 21 all three stores will have personnel to answer your questions about the state-funded "energy audit." SBS will help you

choose the products you'll need to make your home energy efficient for the least amount of money!

le
49
79

y
55
89
99
29

THE LEGISLATURE OF THE STATE OF ALASKA
TWENTY-FIFTH LEGISLATURE

*Fiscal note
not considered
by House
Finance*

FISCAL NOTE

I. REQUEST
 Bill/Resolution No. C.S. for House Bill 173 (fin)
 Title "An Act making appropriations for residential energy programs"
 Requested by Finance Date _____

II. FISCAL DETAIL
 Agency Affected Department of Commerce and Economic Development
 Program Category Affected Development
 BRU, Program, or Subprogram(s) Affected Division of Energy and Power Development
 (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 | 14.315 | | | | | |
| 200 TRAVEL | 7.600 | | | | | |
| 300 CONTRACTUAL | 2368.505 | | | | | |
| 400 COMMODITIES | | | | | | |
| 500 EQUIPMENT | 8.180 | | | | | |
| 600 LAND & STRUCTURES | | | | | | |
| 700 GRANTS, CLAIMS, ETC. | 3000.000 | | | | | |
| TOTAL | 5398.600 | | | | | |

FUNDING (Thousands of Dollars)

| | | | | | | |
|-----------------------------|----------|--|--|--|--|--|
| GENERAL FUND | 5398.600 | | | | | |
| FEDERAL FUNDS | | | | | | |
| OTHER (Specify Fund Source) | | | | | | |
| | | | | | | |

POSITIONS

| | | | | | | |
|-----------|---|--|--|--|--|--|
| FULL TIME | 6 | | | | | |
| PART TIME | | | | | | |
| TEMPORARY | | | | | | |

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

The budget presented provides for sufficient support for the Division to provide a technical review and upgrade of the Residential Energy Audit, continue the training of residential auditors in areas where there are no auditors, and provide for the payment of residential audits and grants and refunds for energy conservation measures.

IV. DATE 3-2-81 PREPARED BY *Claudia Dunbar*
 AGENCY Division of Energy and Power Development
 PHONE 276-0508
 Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (First Legislator Named)

HOUSE BILL 173

| | |
|---|--------------------|
| <u>100 PERSONAL SERVICES</u> | <u>\$. 14,315</u> |
| 3 Energy Specialist I (16A) \$2211/mo. x 1 mo. plus 25.5% payroll burden x 3 = | \$ 8,325 |
| 2 Administrative Assistant I (12A) \$1695/mo. x 1 mo. plus 25.5% payroll burden x 2 = | \$ 4,255 |
| 1 Clerk Typist III (08A) \$1335/mo. x 1 mo. plus 30% payroll burden = | \$ 1,735 |
| | |
| <u>200 TRAVEL</u> | <u>\$ 7,600</u> |
| 15 trips @ \$300 | \$ 4,500 |
| 38 days per diem @ \$80 | \$ 3,100 |
| | |
| <u>300 CONTRACTUAL</u> | <u>\$2,368,505</u> |
| Professional Services | |
| Technical review and upgrading residential audit | \$ 15,000 |
| Development of commercial and institutional energy audit standards | \$ 25,000 |
| Revision of auditor training materials | \$ 5,000 |
| Instructor fees for four intensive auditor training workshops (Sitka, Unalaska, Dillingham, Nome) | \$ 12,000 |
| Instructor fees for 10 auditor recertification and proficiency upgrading workshops (2 Fairbanks, 3 Anchorage, 1 Juneau, 1 Ketchikan, 1 Bethel, 1 Kodiak, 1 Barrow) | \$ 26,400 |
| | |
| Monitoring of completed energy audits (These funds will be used to ensure that the audit quality is maintained by all energy auditors performing the State Energy Audit. These funds will provide quality control checks on all audits completed. On-site checks will be made on audits.) | \$ 108,055 |
| | |
| Homeowner workshops and public education. "How-to- do-it" homeowner workshops to be sponsored in 10 Alaskan communities and publicity of availability of program | \$ 40,000 |
| | |
| Statistical analysis and information retrieval | \$ 50,000 |
| | |
| Energy audits (11,428 @ \$175) | \$2,000,000 |

| | | |
|--|-----------|------------------|
| Space Rental | | |
| 6 (\$1.50/sq. ft. x 150 sq. ft. x 3 mo.) = | \$ | 4,050 |
| Phones, Copying, Etc. | \$ | 3,000 |
| Printing | | |
| Training Materials | \$ | 10,000 |
| Audit Forms and Manuals | \$ | 70,000 |
| | | |
| <u>400 SUPPLIES</u> | <u>\$</u> | <u>1,000</u> |
| | | |
| <u>500 EQUIPMENT</u> | <u>\$</u> | <u>8,180</u> |
| 2 Calculators @ \$100 = | \$ | 200 |
| 2 Programmable calculators @ \$240 = | \$ | 480 |
| 3 Selectric typewriters @ \$900 = | \$ | 2,700 |
| 6 Desks, chairs, files @ \$800 = | \$ | 4,800 |
| | | |
| <u>700 GRANTS, CLAIMS, ETC.</u> | <u>\$</u> | <u>3,000,000</u> |
| 10,909 grants and refunds @ \$275 | | |
| | | |
| TOTAL | <u>\$</u> | <u>5,398,600</u> |

Original sponsors: Rogers, Brown,
Buchholdt, et al

Offered: 2/25/81
Referred: Rules

Funding Information

| | |
|--------------|--------------------|
| General Fund | \$5,398,600 |
| Other Funds | -0- |
| | <u>\$5,398,600</u> |

1 IN THE HOUSE

BY THE FINANCE COMMITTEE

2

CS FOR HOUSE BILL NO. 173 (Finance)

3

IN THE LEGISLATURE OF THE STATE OF ALASKA

4

TWELFTH LEGISLATURE - FIRST SESSION

5

A BILL

6

For an Act entitled: "An Act making appropriations for residential energy
7 programs; and providing for an effective date."

8

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

9

* Section 1. The sum of \$3,000,000 is appropriated from the general fund
10 to the residential energy conservation fund, Department of Commerce and
11 Economic Development, for refunds and grants under AS 45.89.020.

12

* Sec. 2. The sum of \$2,398,600 is appropriated from the general fund to
13 the Department of Commerce and Economic Development for costs of performance
14 of residential energy audits under AS 46.11.030 for the fiscal year ending
15 June 30, 1981.

16

* Sec. 3. This Act takes effect immediately in accordance with AS 01.10.-
17 070(c).

18

19

20

21

22

23

24

25

26

27

28

29

Original Sponsors: Rogers, Brown,
Buchholdt, et al

Offered: 2/20/81
Referred: Finance

Funding Information.

| | |
|--------------|----------------------|
| General Fund | \$152,000,000 |
| Other Funds | -0- |
| | <u>\$152,000,000</u> |

1 IN THE HOUSE BY THE LABOR AND COMMERCE COMMITTEE

2 CS FOR HOUSE BILL NO. 173 (L&C)

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 TWELFTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act making appropriations for the special mortgage
7 loan purchase program and for residential energy
8 audits; and providing for an effective date."

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

10 * Section 1. The sum of \$150,000,000 is appropriated from the general
11 fund to the Alaska Housing Finance Corporation, Department of Revenue, for
12 the special mortgage loan purchase program (AS 18.56.098).

13 * Sec. 2. The sum of \$2,000,000 is appropriated from the general fund to
14 the Department of Commerce and Economic Development for costs of performance
15 of residential energy audits under AS 46.11.030 for the fiscal year ending
16 June 30, 1981.

17 * Sec. 3. This Act takes effect immediately in accordance with AS 01.10.-
18 070(c).

19

20

21

22

23

24

25

26

27

28

29

Funding Information

General Fund \$154,000,000
Other Funds -0-
\$154,000,000

Introduced: 2/18/81
Referred: Labor & Commerce
and Finance

BY ROGERS, BROWN, BUCHHOLDT, ADAMS,
BETTISWORTH, FULLER, GARDINER,
HURLBERT, RANDOLPH AND VASKA

1 IN THE HOUSE

2 HOUSE BILL NO. 173

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 TWELFTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act making appropriations for housing loan pro-
7 grams and for residential energy programs; and pro-
8 viding for an effective date."

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

10 * Section 1. The sum of \$140,000,000 is appropriated from the general
11 fund to the Alaska Housing Finance Corporation, Department of Revenue, for
12 the special mortgage loan purchase program (AS 18.56.098).

13 * Sec. 2. The sum of \$10,000,000 is appropriated from the general fund
14 to the Department of Community and Regional Affairs for the nonconforming
15 housing loan fund (AS 44.47.380).

16 * Sec. 3. The sum of \$2,000,000 is appropriated from the general fund to
17 the Department of Commerce and Economic Development for the residential
18 energy conservation fund (AS 45.89.010).

19 * Sec. 4. The sum of \$2,000,000 is appropriated from the general fund to
20 the Department of Commerce and Economic Development for costs of performance
21 of residential energy audits under AS 46.11.030 for the fiscal year ending
22 June 30, 1981.

23 * Sec. 5. This Act takes effect immediately in accordance with AS 01.10.-
24 070(c).

25

26

27

28

29

THE LEGISLATURE OF THE STATE OF ALASKA
TWELFTH LEGISLATURE

*Fiscal note
not considered
by House
Finance*

FISCAL NOTE

I. REQUEST
 Bill/Resolution No. C.S. for House Bill 173 (fin)
 Title "An Act making appropriations for residential energy programs"
 Requested by Finance Date _____

II. FISCAL DETAIL
 Agency Affected Department of Commerce and Economic Development
 Program Category Affected Development
 BRU, Program, or Subprogram(s) Affected Division of Energy and Power Development
 (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 | 14.315 | | | | | |
| 200 TRAVEL | 7.600 | | | | | |
| 300 CONTRACTUAL | 2368.505 | | | | | |
| 400 COMMODITIES | | | | | | |
| 500 EQUIPMENT | 8.180 | | | | | |
| 600 LAND & STRUCTURES | | | | | | |
| 700 GRANTS, CLAIMS, ETC. | 3000.000 | | | | | |
| TOTAL | 5398.600 | | | | | |

FUNDING (Thousands of Dollars)

| | FY 81 | FY 82 | FY 83 | FY 84 | FY 85 | FY 86 |
|-----------------------------|----------|-------|-------|-------|-------|-------|
| GENERAL FUND | 5398.600 | | | | | |
| FEDERAL FUNDS | | | | | | |
| OTHER (Specify Fund Source) | | | | | | |

POSITIONS

| | FY 81 | FY 82 | FY 83 | FY 84 | FY 85 | FY 86 |
|-----------|-------|-------|-------|-------|-------|-------|
| FULL TIME | 6 | | | | | |
| PART TIME | | | | | | |
| TEMPORARY | | | | | | |

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

The budget presented provides for sufficient support for the Division to provide a technical review and upgrade of the Residential Energy Audit, continue the training of residential auditors in areas where there are no auditors, and provide for the payment of residential audits and grants and refunds for energy conservation measures.

IV. DATE 3-2-81 PREPARED BY *Claudia Dunbar*
 AGENCY Division of Energy and Power Development
 PHONE 276-0508
 Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (First Legislator Named)

HOUSE BILL 173

| | |
|---|--------------------|
| <u>100 PERSONAL SERVICES</u> | <u>\$. 14,315</u> |
| 3 Energy Specialist I (16') | |
| \$2211/mo. x 1 mo. plus 25.5% payroll burden x 3 = | \$ 8,325 |
| 2 Administrative Assistant I (12A) | |
| \$1695/mo. x 1 mo. plus 25.5% payroll burden x 2 = | \$ 4,255 |
| 1 Clerk Typist III (08A) | |
| \$1335/mo. x 1 mo. plus 30% payroll burden = | \$ 1,735 |
| | |
| <u>200 TRAVEL</u> | <u>\$ 7,600</u> |
| 15 trips @ \$300 | \$ 4,500 |
| 38 days per diem @ \$80 | \$ 3,100 |
| | |
| <u>300 CONTRACTUAL</u> | <u>\$2,368,505</u> |
| Professional Services | |
| Technical review and upgrading residential audit | \$ 15,000 |
| Development of commercial and institutional energy | |
| audit standards | \$ 25,000 |
| Revision of auditor training materials | \$ 5,000 |
| Instructor fees for four intensive auditor training | |
| workshops (Sitka, Unalaska, Dillingham, Nome) | \$ 12,000 |
| Instructor fees for 10 auditor recertification and | |
| proficiency upgrading workshops (2 Fairbanks, | |
| 3 Anchorage, 1 Juneau, 1 Ketchikan, 1 Bethel, | |
| 1 Kodiak, 1 Barrow) | \$ 26,400 |
| | |
| Monitoring of completed energy audits (These funds | |
| will be used to ensure that the audit quality | |
| is maintained by all energy auditors performing | |
| the State Energy Audit. These funds will | |
| provide quality control checks on all audits | |
| completed. On-site checks will be made on | |
| audits.) | \$ 108,055 |
| | |
| Homeowner workshops and public education. "How-to- | |
| do-it" homeowner workshops to be sponsored in | |
| 10 Alaskan communities and publicity of | |
| availability of program | \$ 40,000 |
| | |
| Statistical analysis and information retrieval | \$ 50,000 |
| | |
| Energy audits (11,428 @ \$175) | \$2,000,000 |

| | |
|--|---------------------------|
| Space Rental | |
| 6 (\$1.50/sq. ft. x 150 sq. ft. x 3 mo.) = | \$ 4,050 |
| Phones, Copying, Etc. | \$ 3,000 |
| Printing | . |
| Training Materials | \$ 10,000 |
| Audit Forms and Manuals | \$ 70,000 |
| | |
| <u>400 SUPPLIES</u> | <u>\$ 1,000</u> |
| | |
| <u>500 EQUIPMENT</u> | <u>\$ 8,180</u> |
| 2 Calculators @ \$100 = | \$ 200 |
| 2 Programmable calculators @ \$240 = | \$ 480 |
| 3 Selectric typewriters @ \$900 = | \$ 2,700 |
| 6 Desks, chairs, files @ \$800 = | \$ 4,800 |
| | |
| <u>700 GRANTS, CLAIMS, ETC.</u> | <u>\$3,000,000</u> |
| 10,909 grants and refunds @ \$275 | |
| | |
| TOTAL | <u><u>\$5,398,600</u></u> |