

BILLS 1981 - 1982  
CSSSB 25 cont. - CSSB 26

Leg. Finance 1603

1603



# 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

MEMO: May 28, 1981

TO: Rep. Sam Cotten, Chairman  
Rep. Oral Freeman, Vice Chairman  
House Finance Committee

FROM: Rep. Terry Gardiner *TG*

RE: HCS CSSSB<sup>3</sup> 25 (Res)  
Section analysis

Attached you will find a section analysis for the version of SB 25 which moved from the House Resources Committee. The first page of the section analysis is an outline of the more detailed eight-page analysis starting thereafter.

## SECTION ANALYSIS

### OUTLINE

- \*Section 1. Establishes an "energy program for Alaska" and a new "power development fund" with the intent to acquire or construct power projects around the state. Provides for use of money in the fund and allotment to projects. Restrictions on use of the funds, and investment of money in the fund by the Department of Revenue. Establishes mode of operation of state-owned projects and defines how power rates will be calculated. Provides for energy conservation in conjunction with the "energy program for Alaska."
- \*Section 2. Restructures the board of directors of the Alaska Power Authority to include three public members at large and four members who are heads of state agencies. At large members must be from different judicial districts.
- \*Section 3. Establishes the quorum for the APA board as amended.
- \*Section 4. Requires APA board members to be state residents; and that the directors at large serve overlapping terms of four years. Members are subject to conflict of interest statutes.
- \*Section 5. Amends powers of the APA by adding new powers related to this Act.
- \*Section 6. Exempts this legislation from APA contracting procedures and requirements.
- \*Section 7. Establishes conditions for project revenue bonding.
- \*Section 8. Establishes a new power cost assistance program.
- \*Section 9. Provides for eligibility of unregulated utilities participating in the power cost assistance program. Establishes reporting requirements for same.
- \*Section 10. Amend. definition of reconnaissance studies to
- \*Section 11. broaden the energy data base to be collected, such
- \*Section 12: that the information will provide general energy
- \*Section 13. information that can be used as part of the state energy plan.
- \*Section 14. Amends Department of Revenue statutes to provide for investment of money in the power development fund.
- \*Section 15. Repeal statutes having to do with the existing power
- \*Section 16. production cost assistance program subject to passage of the power cost assistance program.
- \*Section 17. Establishes overlapping terms for APA at large board members.

HCS CSSSSB 25(Res)

S E C T I O N    A N A L Y S I S

\*Section 1.

400. PROGRAM ESTABLISHED.

a. Establishes the "energy program for Alaska."

b. Explains that the "energy program for Alaska" authorizes the Alaska Power Authority to acquire or construct power projects with money appropriated by the Legislature to a new "power development fund," subject to the APA statutes concerning feasibility.

c. Construction of power projects under this Act are subject to the "Alaska hire" statutes.

410. POWER DEVELOPMENT FUND ESTABLISHED.

a. Establishes that there is a "power development fund" administered by the power authority.

b. All money in the power development fund must be appropriated by the Legislature.

420. USE OF THE FUND.

a. Money in the fund may be used for preconstruction studies and finance plans; licensing, engineering, land acquisition and construction; bond defeasance and debt service on loans or bonds; and for the power cost assistance fund established later in the bill to replace the existing Power Production Cost Assistance program.

b. Money in the fund may be used only for projects which meet revenue requirements of the power authority statutes and which provide the lowest power cost to utility customers in its market area, whether by itself or in conjunction with other projects in the market area.

Projects must operate on non-nuclear energy resources.

430. INVESTMENT OF THE FUND.

The Department of Revenue has responsibility for investment of money in the fund in accordance with the Administrative Procedures Act.

Revenue would pay money from the fund only after a cost is incurred by the power authority for a project.

440. ALLOTMENT TO PROJECTS.

a. APA is to maintain records of allocations from the fund for each power project approved by the Legislature except as specified by law, and for which an allocation is made from an appropriation to a project.

b. Income earned from investment of the appropriations to the fund are deposited in the general fund and may be appropriated to the fund by the Legislature.

450. REAPPROPRIATION OF FUND BALANCE.

a. If a power project authorized by the legislature is not constructed, the amount may be reappropriated to other power projects by the Legislature.

b. The legislature may reappropriate money under (a) only for a power project which is economically feasible, and which will serve the same market area that would have been served by the project originally designated but not constructed.

460. LAPSE OF EXCESS APPROPRIATIONS.

Money remaining unexpended following completion of a power project lapses into the general fund.

470. REVENUE REQUIREMENTS.

a. The APA may not use money in the fund for construction of a power project without first conducting a feasibility study and determining that the project is economically feasible; and that when it is on line the project will provide revenue sufficient to provide a return to the state of five percent per year of the total amount spent from the fund on the project.

NOTE: The intent of the Resources Committee under the compromise agreement was that five percent per year would be generated by each project; this intent is vague in this section, and an amendment will be offered to correct this section.

b. This subsection defines "economically and financially feasible" using cost-benefit guidelines.

480. OPERATION OF POWER PROJECT.

a. Projects acquired or constructed as part of the energy program for Alaska is owned by the state and administered by the power authority.

(480 continued).

b. Projects within the "energy program for Alaska" may be contracted or leased for operation by a qualified utility.

#### 490. SALE OF POWER FROM POWER PROJECT.

a. APA will sell power under this program to utilities; utilities which purchase power produced under the program agree to give preference in the sale of power at retail to all classes of consumers except industrial consumers, and to charge industrial consumers a rate to be determined by the APA as specified by (e) below.

b. The APA shall establish a wholesale power rate structure applicable to sales of power at the busbar of the project as follows:

1. Unless the legislature has appropriated five (B) billion dollars into the power development fund by July 1, 1986, the rate set by the APA must return 10 percent of the amount appropriated to build each project annually.

2. From the effective date of this Act to June 30 of the fiscal year in which the statewide generating capacity of all power projects acquired or built under the program exceeds 500 megawatts, the APA shall establish and maintain a wholesale rate for each project which will return not less than five percent annually of the amount invested in the project from the fund, including loans and grants.

3. Beginning July 1 of the first fiscal year following the date on which the production capacity of all power projects under the program exceeds 500 megawatts, the authority shall set a single wholesale power rate for all projects under the program; The rate is to be computed annually, and must be sufficient to pay the following costs:

- operation, maintenance, and equipment replacement;
- debt service;
- safety inspections and investigations by APA;
- annual costs of the power cost assistance program.

The desired effect here is to establish a statewide, or so-called "postage stamp" rate for power.

It should be noted that the 500 megawatt figure was selected as a benchmark relating to development of a large-scale power project in the state. Total capacity within the next decade is expected to be under 200 megawatts.

(162 continued).

b. The costs used to calculate the amount of assistance under the power cost assistance program are those costs allowed by the Alaska Public Utilities Commission to determine the revenue requirement for setting consumer rates. This amount does not include a return on equity.

c. Eligible utilities are entitled to receive power cost assistance for sales of power to local community facilities at not more than 55 kilowatt-hours per month per capita (based on figures used by the Department of Community and Regional Affairs for municipal revenue sharing); and for not more than 600 kilowatt-hours per month sold to each customer in all classes served by the utility except local community facilities.

d. The amount of assistance provided each month is the lesser of 95 percent of the average rate per kilowatt-hour sold or the average rate per kilowatt-hour, as determined by APUC.

For FY 82, the eligible power costs are those above 12 cents per kilowatt-hour and not more than 45 cents per kwh.

In each succeeding year, the formula changes such that the minimum subsidy level increases by two cents per year; i.e., in FY 83, the minimum eligible power cost would be 14 cents; in FY 84 it would be 16 cents; etc.

e. Eligible utilities may include as part of its rate base those costs for which power cost assistance is provided; however, its approved tariff is to show the rates without the power cost assistance and the amount of power cost assistance per kwh sold.

The state assistance is to be used to reduce the cost of power sold, according to the formulas explained above.

f. The power cost assistance program is to be administered by APA, using information determined by APUC. An electric utility is eligible if the power costs of the utility exceed the APUC's adjusted power costs derived from (b)-(d) above.

g. The adjusted power cost is calculated and verified by APUC, based on power costs filed by each utility. Eligible utilities may not be excluded from the program because they lack complete cost documentation, and APUC is directed to assist those eligible utilities which are exempt from regulation by APUC to develop the cost information needed to comply with the program.

Other requirements are delineated in this subsection.

h. Utilities must report monthly to the power authority, providing information described in this subsection.

080(16). (POWERS OF THE AUTHORITY).

This section adds two new subsections to the powers of the APA to recommend to the legislature appropriation amounts for:

(G) specific appropriations for projects to be acquired or constructed under the program;

(H) appropriations for the power cost assistance fund, and also for costs of operation and maintenance of power projects developed under the "energy program for Alaska."

090(a). (POWER CONTRACTS AND THE ALASKA PUBLIC UTILITIES COMMISSION).

This section states that contracts or leases under the "energy program for Alaska" are exempt from contract provisions other APA contracts are subject to, including the following which are not otherwise addressed in this bill:

- interest and amortization charges;
- monitoring of the project by the APA;
- disclosure requirements;
- periodic revision of service and rates by utilities;
- cancellation and termination of contract upon violation of its terms;
- performance security;
- other undefined terms.

105. BONDS FOR POWER PROJECTS UNDER THE ENERGY PROGRAM FOR ALASKA.

The APA is directed to borrow money and issue revenue bonds for projects developed under the program, if appropriations to the fund are insufficient to cover all development costs and the debt service is not more than costs of securing money by alternate means.

162. POWER COST ASSISTANCE.

This section repeals the power production cost assistance program and reenacts the section as the power cost assistance program. The revision is designed to provide easier access to the subsidy program by very small utilities which have difficulty meeting the documentation requirements under the existing program. The program provides state assistance for all costs associated with power costing exclusive of profit or margin, whereas the existing program provides subsidy only for those costs directly associated with power production -- not distribution, administrative or other costs.

a. The power cost assistance fund is established, administered by APA; the fund includes money appropriated by the legislature to provide state financial assistance for eligible utilities.

(490 continued).

c. Money collected by APA from sales of power are to be deposited in the general fund.

d. From the amount collected under (b) (2) and (3) above, the legislature may appropriate to APA the amount for paying costs of operation and maintenance of the state projects. The balance of the amount collected may be appropriated by the legislature to the power cost assistance fund. Estimates of amounts required for each of the appropriations are to be submitted to the governor in the administration budget.

e. This subsection defines the rate for industrial consumers, which may exceed the wholesale power rate determined under (b) above, but may not be less than the rate charged residential consumers.

f. The legislature may, by law, change or annul the wholesale rate established by the APA.

#### 500. ENERGY CONSERVATION.

The APA is to ensure that communities served under the program implement cost-effective energy conservation measures for residences, commercial and public buildings, and industries. Communities are directed to cooperate with state agencies concerned with energy conservation and development.

#### 510. DEFINITIONS.

#### 030. MEMBERSHIP OF THE AUTHORITY.

This section reorganizes the power authority board of directors at the request of the governor. The board would consist of four persons appointed by the governor from among state agencies, and three public members at large to be appointed by the governor and confirmed by the Legislature. The three members at large must come from different judicial districts.

#### 040. OFFICERS AND QUORUM.

This section amends the power authority statutes to conform with the new membership of the board.

#### 045(a). (TERMS OF DIRECTORS AT LARGE).

Another amendment to conform with the new make-up of the board, establishing that at-large members have overlapping terms.

(162 continued).

i. The APA is to review, and APUC may also review, reports provided under (h). Payment of assistance is to be within 30 days following receipt of the report. In event of a dispute between the utility and APA, the report is submitted to APUC for review. When a report is submitted to APUC, payment must be made within 30 days of that submittal.

j. Notice requirements by the utility eligible for and receiving power cost assistance.

k. To qualify, a utility must make reasonable effort to reduce administrative and other costs. Each utility must also cooperate with state agencies to implement cost-effective energy conservation measures, and to develop alternatives to diesel generation.

l. definition of "power cost"

m. The number of residents of a community is the number used by C&RA for revenue sharing.

n. Definition section

164(a) (ASSISTANCE TO UTILITIES NOT REGULATED BY A.P.U.C.)

Utilities exempt from regulation by APUC may receive power cost assistance without becoming subject to APUC jurisdiction, if the utility is otherwise eligible and it files sufficient financial data to determine the adjusted power cost and reports costs of electrical generation and meets other requirements specified in this subsection.

177(a). (RECONNAISSANCE STUDIES).

Expands the definition of reconnaissance study to include all energy needs in a community, including consumption patterns.

177(b). (RECONNAISSANCE STUDIES).

Redefines the scope of reconnaissance studies to include assessment of the total energy needs of a community, including electricity, space heating and transportation fuels based on end use of the energy. It also establishes that hydroelectric and wind resources shall be monitored over a one-year period.

177(d). (RECONNAISSANCE STUDIES).

Requires the power authority to consult with the division of energy and power development and with the Alaska Energy Center to determine the information which each may need for energy planning and to develop technology for energy production or conservation.

224: LONG TERM ENERGY PLAN.

A new subsection is added stating that reconnaissance studies become part of the long-term energy plan.

\*Section 14.

AS 44.25.020. DUTIES OF THE DEPARTMENT OF REVENUE.

A new paragraph is added stating that the Department of Revenue is to invest and manage the balance of the power development fund.

\*Section 15. REPEALER SECTION.

This section repeals two sections of ch. 83, SLA 1980 (HCS CSSB 438(Fin) am H, last year's "omnibus energy act") which deal with the existing power production cost assistance program.

\*Section 16. REPEALER SECTION,

This section repeals two statutory sections which enacted the power production cost assistance program, re-enacted in this bill, \*Sections 8 and 9, as the power cost assistance program.

\*Section 17. APPLICABILITY TO APA BOARD OF DIRECTORS.

This section terminates the existing APA board members' terms, subject to passage of \*Sec. 2 of this bill; and establishing terms of office of new board members at large.

\*Sec. 18

\*Sec. 19 Effective date clauses.

\*Sec. 20

FISCAL NOTE

I. REQUEST

Bill/Resolution No. SS SB 25 Title: An Act establishing a power project revolving loan fund in the Alaska Power Authority, amending the Alaska Power Authority Act, and Requested by requiring the Department of Revenue to invest the Date 02/10/81 surplus power project revolving loan fund balance; and providing for an effective date.  
 Requested by 8 Senators

II. FISCAL DETAIL

Agency Affected Department of Commerce & Economic Development  
 Program Category Affected Economic Development  
 BRU, Program, or Subprogram(s) Affected Alaska Power Authority  
 (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 80	FY 81	FY 82	FY 83	FY 84	FY 85
100 PERSONAL SERVICES			104.0	111.3	119.0	127.4
200 TRAVEL			8.0	8.6	9.3	10.0
300 CONTRACTUAL						
400 COMMODITIES			1.0	1.0	1.0	1.0
500 EQUIPMENT			6.0	1.0		
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
<b>TOTAL</b>			<b>119.0</b>	<b>121.9</b>	<b>129.3</b>	<b>138.4</b>

FUNDING (Thousands of Dollars)

GENERAL FUND			119.0	121.9	129.3	138.4
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME			2	2	2	2
PART TIME						
TEMPORARY						

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

To additional positions will be required to administer the revolving loan fund and to conduct periodic audits of loan recipients.

IV. DATE February 10, 1981 PREPARED BY Robert A. Mohn  
 AGENCY Alaska Power Authority  
 PHONE 277-7641  
 Original: Legislative Finance  
 cc: Budget and Management  
 Prime Sponsor (First Legislator Named)

THE LEGISLATURE OF THE STATE OF ALASKA  
TWELFTH LEGISLATURE

SSSB 25

FISCAL NOTE

I. REQUEST

Bill/Resolution No. SPONSOR SUBSTITUTE FOR SENATE BILL No. 25

Title "An Act establishing a power project revolving loan fund in the Alaska Power Auth."

Requested by Senate Resources Committee Date 1/29/81

II. FISCAL DETAIL

Agency Affected Department of Revenue

Program Category Affected General Fund Unrestricted Revenues

BRU, Program, or Subprogram(s) Affected \_\_\_\_\_

(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						
200 TRAVEL						
300 CONTRACTUAL						
400 COMMODITIES						
500 EQUIPMENT						
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						

TOTAL

FUNDING	MILLIONS (Thousands of Dollars)	INTEREST EARNINGS REDUCTION TO GENERAL FUND UNRESTRICTED				
		FY 81	FY 82	FY 83	FY 84	FY 85
GENERAL FUND	MILLIONS	-0-	91.2	91.2	91.2	-0-
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
FULL TIME						
PART TIME						
TEMPORARY						

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

Bill allocates interest earnings on appropriated but temporary unused monies to the Alaska Power Authority. Calculations based on companion appropriations bill SB 26.

Above assumes a 12% interest rate on temporary invested funds. Monies used evenly throughout the year. \$760 million average balance. Even if Authority did not draw all funds as they became available the bill requires that interest earned on available balances be used by the Authority for allotment to other projects.

*Anselm C. Staack*

IV. DATE February 2, 1981

PREPARED BY Anselm C. Staack, Treasury Comptroller

AGENCY Dept. of Revenue/Treasury Division

PHONE 465-2351

Original: Legislative Finance

cc: Budget and Management

Prime Sponsor (First Legislator Named)

BILL ANALYSIS

Sponsor Substitute for Senate Bill No. 25 (1/29/81)

Program Effects:

1. Defines "economically feasible" project, i.e., if the Alaska Power Authority (Authority) determines that the total costs of a power project is cheaper over the estimated life v. other alternatives.
2. Standard factors used to determine feasibility to include:
  - a. A 7% inflation factor for construction and operating costs.
  - b. A 10% interest rate on money borrowed for the project.
  - c. An 11% annual cost escalation factor for alternative power sources from oil, gas or coal.
3. Establishes a Power Project Revolving Loan Fund (Fund) in the Authority. The money in the Fund includes:
  - a. Appropriations to it by the legislature.
  - b. Principal and interest repayments on loans.
  - c. Interest earned on Fund invested balances.
4. The Fund may be used by the Authority for:
  - a. Loans for reconnaissance, feasibility studies and project financing plans.
  - b. The cost of a power project including licenses, design and construction of the project.
  - c. Grants for power production assistance.
5. The Authority shall make loans for:
  - a. Power projects designated by the legislature in the amount the legislature designates.

BILL ANALYSIS, SSSB 25, Cont'd

- b. Power projects not designated by the legislature if the Authority owns the project.
  - c. Power projects not designated by the legislature if the Authority finds it economically feasible, and:
    - (1) will operate on renewable resources, or,
    - (2) Operates on coal, peat or wood where that source fuel is abundant and renewable energy resources are not available or cheaper.
6. The Department of Revenue is to invest and manage the balance of the fund which exceeds loan and grant requirements for the current fiscal year. Investments allowed in accordance with general fund investment statutes.
7. The Authority to maintain a record of all loans made.
8. Investment income on money appropriated to the Fund shall be allotted each fiscal year:
- a. To each power project specifically legislatively designated in proportion to the amount appropriated to the project as a percent of the total appropriation.
  - b. To all other unspecified power projects in proportion to their amounts v. the total amount appropriated for unspecified projects.
9. Loan terms and conditions include:
- a. Term no longer than the estimated actual life as constructed or 100 years whichever is less.
  - b. Interest rate not to exceed 3% on the outstanding balance. Until the balance appropriated to the Fund equals or exceeds \$4.5 billion, the interest rate is 7% a year.

BILL ANALYSIS, SSSB 25, Cont'd

- c. Repayments of principal and interest to begin when the borrower certifies that the project is producing power.
10. The total loan amount is:
    - a. The amount of money specifically appropriated by the legislature and the amount of any allotments.
    - b. For power projects not specifically designated by the legislature the loan may not exceed the amount appropriated for undesignated projects plus any allotments.
  11. The Fund balance (monies available) can be reallocated as follows:
    - a. Loan repayments may be reallocated to other projects.
    - b. If a project legislatively designated is not built the money may be reallocated only for economically feasible projects within the same market area of the designated but not constructed project.
    - c. If appropriations for a legislatively designated project exceeds the amount necessary then the excess can be reallocated to other projects.
  12. Effective July 1, 1981.

Comments:

1. The bill allows the Department of Revenue to invest and manage only the Fund balance which exceeds requirements for the current fiscal year. The bill places no restrictions on draw downs and their timing.

Appropriate language might be included that the Authority only draws upon the Fund when loan funds are actually necessary to accomplish construction and not when a commitment to a loan is made or instituted.

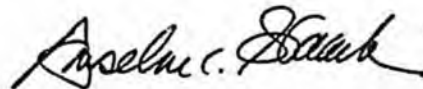
BILL ANALYSIS, SSSB 25, Cont'd

Without these restrictions the Authority could simply make the loan and draw the entire sum when the loan is committed to without having a valid need for all the money. The restrictions proposed are no different than how any appropriation is handled, i.e., it is not drawn down (paid out) until a valid expenditure exists. Revenues are received somewhat evenly throughout the year and cash is available when received. With the current language the Treasury could be literally unable to cash fund other drawdowns when requested until sufficient cash inflow allows.

2. The Power Project Revolving Loan Fund is entitled to its interest earnings on all amounts appropriated. The amount of interest lost to the general fund from amounts appropriated until their actual use can be quite substantial. For instance, if 1.52 billion is appropriated (see companion Bill SB 26) and the money is used evenly throughout the year, at a 12% earning rate, the general fund unrestricted interest earnings reduction is \$91.2 million over the year.

Although these funds are to be reallocated to other projects they are unavailable for legislative prioritization in future periods.

Perhaps it might be satisfactory to allow the general fund to have the interest earnings on appropriated but undrawn amounts until they are drawn to cover actual expenditures on the various loans. This would not harm any designated projects, provide further control on "allotted" funds (which could be appropriated by the legislature if it desires the next year), and would forward continuing legislative review of project expenditures.



Anselm C. Staack, Treasury Comptroller  
Department of Revenue/Treasury  
465-2351



Original sponsors: Kerttula, Ziegler,  
Ferguson, et al

Funding Information

General Fund \$512,500,000  
Other Funds -0-  
\$512,500,000

1 IN THE SENATE

BY THE FINANCE COMMITTEE

2 CS FOR SENATE BILL NO. 26 (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 special appropriations to the Alaska  
7 Power Authority for energy projects and for the power  
8 production cost assistance program; and providing for  
9 an effective date."

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

11 \* Section 1. The sum of \$354,900,000 is appropriated from the general  
12 fund to the power project development fund of the Alaska Power Authority  
13 (AS 44.83.400 - 44.83.480), to be expended by the authority in the amounts  
14 specified for the following listed power projects:

15	(1) Bradley Lake	\$40,000,000
16	(2) Chester Lake	6,000,000
17	(3) Green Lake	46,000,000
18	(4) Port Lions	1,400,000
19	(5) Snettisham	20,000,000
20	(6) Solomon Gulch	62,000,000
21	(7) Swan Lake	53,000,000
22	(8) Terror Lake	81,500,000
23	(9) Tyee Lake	45,000,000

24 \* Sec. 2. The sum of \$40,000,000 is appropriated from the general fund  
25 to the power project development fund of the Alaska Power Authority (AS 44.-  
26 83.400 - 44.83.480) to be allocated by the authority to the following areas  
27 for development and construction of power projects under AS 44.83.187:

28 (1) \$10,000,000 for projects in senate district M  
29 (2) \$10,000,000 for projects in senate district N

1 (3) \$10,000,000 for projects in senate district P

2 (4) \$10,000,000 for projects in other areas of the state.

3 \* Sec. 3. The sum of \$85,000,000 is appropriated from the general fund  
4 to the Alaska Power Authority for acquisition of a right-of-way for and  
5 design and construction of a high voltage electrical transmission system  
6 connecting Anchorage and Fairbanks.

7 \* Sec. 4. The sum of \$27,800,000 is appropriated from the general fund  
8 to the Alaska Power Authority for feasibility studies under AS 44.83.781, to  
9 be allocated to the following proposed power project sites:

10	(1) Black Bear Lake	\$ 1,400,000
11	(2) Grant Lake	1,000,000
12	(3) Nisarialik	1,000,000
13	(4) Kotzebue	850,000
14	(5) Power Creek	700,000
15	(6) Scammon Bay	200,000
16	(7) Susitna	15,000,000
17	(8) Takatz Lake	50,000
18	(9) Tazimina Lake	2,000,000
19	(10) Rural community studies: Akhiok,	
20	Ambler, Angoon, Atka, Chignik, Chignik	
21	Lagoon, Chignik Lake, Cold Bay, Elm,	
22	False Pass, Goodnews Bay, Grayling,	
23	Gustavus, Ivanoff Bay, Kaltag, Karluk,	
24	Kiana, King Cove, Larsen Bay, Nikolski,	
25	Old Harbor, Ouzinkie, Perryville,	
26	Shungnak, Tenakee Springs, Togiak,	
27	Unalaska	5,600,000

28 \* Sec. 5. The sum of \$4,800,000 is appropriated from the general fund to  
29 the Alaska Power Authority for the power production cost assistance fund

1 (AS 44.83.162).

2 \* Sec. 6. Sections 1 and 2 of this Act take effect on the effective  
3 date of an Act entitled "An Act establishing a power project development  
4 fund in the Alaska Power Authority and amending the Alaska Power Authority  
5 Act; and providing for an effective date."

6 \* Sec. 7. Sections 3 - 5 of this Act take effect immediately in accor-  
7 dance with AS 01.10.070(c).  
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SENATE AMENDMENT

By SENATE RESOURCES COMMITTEE

To: \_\_\_\_\_ SENATE BILL No. SB 26

To: \_\_\_\_\_ HOUSE BILL No. \_\_\_\_\_

PAGE: 3

LINE: 5

ADD NEW LINE 5

(8) Susitna

\$1,100,000,000

COMMITTEE REPORT  
SENATE

1/13/81

FURTHER: Finance

Date: \_\_\_\_\_

Mr. President:

The Committee on RESOURCES has had SB 26  
making special appropriations to the power project revolving loan fund  
of the Alaska Power Authority

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

- do pass  do not pass
- do pass <sup>may</sup> with attached amendments (1)  same title
- replace with CS for \_\_\_\_\_  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

MEMBERS HAVING  
OTHER RECOMMENDATIONS:

1 Don Gilman  
 1 Bob Mulcahy  
 1 McKee  
 1 Brad Bradley

2 Senator Ullis Sturgulinski  
 No Rec.  
 2 V. Fisher - No rec.

1 Bettye Fabrikant  
 CHAIRMAN Do Pass

Original sponsors: Kerttula, Ziegler,  
Ferguson, et al

Funding Information 450  
General Fund \$562,500,000  
Other Funds -0-  
\$562,500,000  
450

*(Note - new total on bill (CS SB 26  
(Finance)) as returned in final  
from Legis. Affairs \$512,500,000  
General Fund - OK'd for delivery  
to Senate Sec. by  
Kathy Martinson*

BY THE FINANCE COMMITTEE

1 IN THE SENATE

2 CS FOR SENATE BILL NO. 26 (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 special appropriations to the Alaska  
7 Power Authority for energy projects and for the power  
8 production cost assistance program; and providing for  
9 an effective date."

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

11 \* Section 1. The sum of \$354,900,000 is appropriated from the general  
12 fund to the power project development fund of the Alaska Power Authority  
13 (AS 44.83.400 - 44.83.480), <sup>(to be expended by the authority in the amounts</sup>  
~~to be allocated by the authority to the follow-~~  
14 ~~ing power projects:~~ specified for the following listed power projects:)

15	(1) Bradley Lake	\$40,000,000
16	(2) Chester Lake	6,000,000
17	(3) Green Lake	46,000,000
18	(4) Port Lions	1,400,000
19	(5) Snettisham	20,000,000
20	(6) Solomon Gulch	62,000,000
21	(7) Swan Lake	53,000,000
22	(8) Terror Lake	81,500,000
23	(9) Tyee Lake	45,000,000

24 \* Sec. 2. The sum of \$40,000,000 is appropriated from the general fund  
25 to the power project development fund of the Alaska Power Authority (AS 44.-  
26 83.400 - 44.83.480) to be allocated by the authority to the following areas  
27 for development and construction of power projects under AS 44.83.187:

- 28 (1) \$10,000,000 for projects in senate district M  
29 (2) \$10,000,000 for projects in senate district N

1 (3) \$10,000,000 for projects in senate district P.

2 (4) \$10,000,000 for projects in other areas of the state.

3 ~~\* Sec. 3. The sum of \$50,000,000 is appropriated from the general fund~~  
4 ~~to the power project development fund of the Alaska Power Authority (AS 44.-~~  
5 ~~83.400 - 44.83.480) for proposed new power projects to which AS 44.83.177 -~~  
6 ~~44.83.185 do not apply.~~

7 \* Sec. ~~3~~<sup>7</sup>. The sum of \$85,000,000 is appropriated from the general fund  
8 to the Alaska Power Authority for acquisition of a right-of-way for and  
9 design and construction of a high voltage electrical transmission system  
10 connecting Anchorage and Fairbanks.

11 \* Sec. ~~4~~<sup>4</sup>. The sum of \$27,800,000 is appropriated from the general fund  
12 to the Alaska Power Authority for feasibility studies under AS 44.83.181, to  
13 be allocated to the following proposed power project sites:

14	(1) Black Bear Lake	\$ 1,400,000
15	(2) Grant Lake	1,000,000
16	(3) Kisaralik	1,000,000
17	(4) Kotzebue	850,000
18	(5) Power Creek	700,000
19	(6) Scammon Bay	200,000
20	(7) Susitna	15,000,000
21	(8) Takatz Lake	50,000
22	(9) Tazimina Lake	2,000,000
23	(10) Rural community studies: Akhiok,	
24	Ambler, Angoon, Atka, Chignik, Chignik	
25	Lagoon, Chignik Lake, Cold Bay, Elim,	
26	False Pass, Goodnews Bay, Grayling,	
27	Gustavus, Ivanoff Bay, Kaltag, Karluk,	
28	Kiana, King Cove, Larsen Bay, Nikolski,	
29	Old Harbor, Ouzinkie, Perryville,	

1 Shungnak, Tenakee Springs, Togiak,

2 Unalaska 5,600,000

3 \* Sec. <sup>5</sup> The sum of \$4,800,000 is appropriated from the general fund to  
4 the Alaska Power Authority for the power production cost assistance fund  
5 (AS 44.83.162).

6 \* Sec. <sup>6</sup> Sections ~~1, 2, 3, 4, 5~~ <sup>1 and 2</sup> of this Act take effect on the effective  
7 date of an Act entitled "An Act establishing a power project development  
8 fund in the Alaska Power Authority and amending the Alaska Power Authority  
9 Act; and providing for an effective date."

10 \* Sec. <sup>7</sup> Sections ~~4, 5~~ <sup>3 and 5</sup> of this Act take effect immediately in accor-  
11 dance with AS 01.10.070(c).  
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Power Cost Comparison  
(Cents/KWH)

<u>Present Population</u>	<u>Project</u>	(SC SB 25 and 26)		Conventional Funding	
		<u>Direct State 1st Year</u>	<u>Funding 1991</u>	<u>1st Year</u>	<u>1991</u>
1,190	Chester Lake	1.4	2.8	7.9	9.4
230	Port Lyons	4.9	9.7	18.0	23.0
13,500	Swan Lake	2.8	2.8	28.2	23.0
8,000	Terror Lake	1.0	1.5	13.7	11.3
7,200	Tyee Lake	2.9	3.4	30.8	22.0
26,000	Bradley Lake	.7	1.4	9.1	9.8
8,800	Green Lake	1.3	2.3	13.0	10.9
<u>7,000</u>	Solomon Gulch	1.8	3.7	14.8	14.4
<u>71,920</u>					

TWELFTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. CSSB 25  
 Title An act establishing a power project fund in the Alaska Power Authority  
 Requested by Kerttula, Dan, Worsh, Zeigler, et al. Date \_\_\_\_\_

II. FISCAL DETAIL

Agency Affected Department of Commerce & Economic Development  
 Program Category Affected Energy Development  
 BRU, Program, or Subprogram(s) Affected Alaska Power Authority  
 (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		104.0	111.3	111.9	127.4	
200 TRAVEL		8.0	8.6	9.3	10.0	
300 CONTRACTUAL		1.0	1.0	1.0	1.0	
400 COMMODITIES		6.0	1.0			
500 EQUIPMENT						
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
<b>TOTAL</b>		<b>119.0</b>	<b>121.9</b>	<b>129.3</b>	<b>138.4</b>	

FUNDING (Thousands of Dollars)

GENERAL FUND		119.0	121.9	129.3	138.4	
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME		2	2	2	2	
PART TIME						
TEMPORARY						

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

Funding would be used to insure compliance with provisions of economic criteria and to insure that sufficient funds are generated from project revenues to project operation, debt service and safety investigations.

IV. DATE March 4, 1981 PREPARED BY Terry McGuire  
 AGENCY Alaska Power Authority  
 PHONE 277-7641  
 Original: Legislative Finance  
 cc: Budget and Management  
 Prime Sponsor (First Legislator Named)

Funding Information

General Fund \$4,560,000,000  
Other Funds -0-  
\$4,560,000,000

Introduced: 1/13/81  
Referred: Resources and Finance

BY KERTTU A, ZIEGLER, FERGUSON, KELLY,  
BRADLEY, ELIASON AND FAHRENKAMP

1 IN THE SENATE

2 SENATE BILL NO. 26

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 special appropriations to the power  
7 project revolving loan fund of the Alaska Power Author-  
8 ity; and providing for an effective date."

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

10 \* Section 1. The sum of \$1,500,000,000 is appropriated from the general  
11 fund to the power project revolving loan fund of the Alaska Power Authority  
12 (AS 44.83.400 - 44.83.470); to be allocated by the authority as loans for  
13 the following power projects:

14	(1) Black Bear Lake	\$ 5,000,000
15	(2) Bradley Lake	70,000,000
16	(3) Lake Elva	5,000,000
17	(4) Green Lake	17,000,000
18	(5) Power Creek	10,000,000
19	(6) Snettisham, Phase II	13,000,000
20	(7) Solomon Gulch	21,000,000
21	(8) Susitna	1,100,000,000
22	(9) Swan Lake	43,000,000
23	(10) Tazimina Lake	24,000,000
24	(11) Terror Lake	34,000,000
25	(12) Tyee Lake	25,000,000
26	(13) Other power projects	133,000,000

27 \* Sec. 2. The sum of \$20,000,000 is appropriated from the general fund  
28 to the power project revolving loan fund of the Alaska Power Authority  
29 (AS 44.83.400 - 44.83.470) for the power production assistance program

1 (AS 44.83.162).

2 \* Sec. 3. The sum of \$1,500,000,000 is appropriated from the general  
3 fund to the power project revolving loan fund of the Alaska Power Authority  
4 (AS 44.83.400 - 44.83.470) to be allocated by the authority as loans for the  
5 following power projects:

6	(1) Black Bear Lake	\$ 5,000,000
7	(2) Bradley Lake	70,000,000
8	(3) Lake Elva	5,000,000
9	(4) Green Lake	17,000,000
10	(5) Power Creek	10,000,000
11	(6) Snettisham, Phase II	13,000,000
12	(7) Solomon Gulch	21,000,000
13	(8) Susitna	1,100,000,000
14	(9) Swan Lake	24,000,000
15	(10) Tazimina Lake	24,000,000
16	(11) Terror Lake	57,000,000
17	(12) Tyee Lake	25,000,000
18	(13) Other power projects	129,000,000

19 \* Sec. 4. The sum of \$20,000,000 is appropriated from the general fund  
20 to the power project revolving loan fund of the Alaska Power Authority  
21 (AS 44.83.400 - 44.83.470) for the power production assistance program  
22 (AS 44.83.162).

23 \* Sec. 5. The sum of \$1,500,000,000 is appropriated from the general  
24 fund to the power project revolving loan fund of the Alaska Power Authority  
25 (AS 44.83.400 - 44.83.470) to be allocated by the authority as loans for the  
26 following power projects:

27	(1) Black Bear Lake	\$ 5,000,000
28	(2) Bradley Lake	70,000,000
29	(3) Lake Elva	5,000,000

1	(4) Green Lake	17,000,000
2	(5) Power Creek	10,000,000
3	(6) Snettisham, Phase II	13,000,000
4	(7) Solomon Gulch	21,000,000
5	(9) Swan Lake	30,000,000
6	(10) Tazimina Lake	24,000,000
7	(11) Terror Lake	32,000,000
8	(12) Tyee Lake	20,000,000
9	(13) Other power projects	153,000,000

10 \* Sec. 6. The sum of \$20,000,000 is appropriated from the general fund  
11 to the power project revolving loan fund of the Alaska Power Authority  
12 (AS 44.83.400 - 44.83.470) for the power production assistance program  
13 (AS 44.83.162).

14 \* Sec. 7. Sections 1 and 2 of this Act take effect July 1, 1981.

15 \* Sec. 8. Sections 3 and 4 of this Act take effect July 1, 1982.

16 \* Sec. 9. Sections 5 and 6 of this Act take effect July 1, 1983.

17 \* Sec. 10. This Act takes effect on the effective date of an Act estab-  
18 lishing a power project revolving loan fund in the Alaska Power Authority as  
19 a source of money for loans to power projects.

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Original sponsors: Kerttula, Ziegler,  
Ferguson, et al

Funding Information

General Fund \$559,944,550  
Other Funds -0-  
\$559,944,550

1 IN THE SENATE BY THE FINANCE COMMITTEE

2 HOUSE CS FOR CS FOR SENATE BILL NO. 26 (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 to various state agencies  
7 for energy-related programs and projects, and repealing  
8 a 1980 appropriation for a power project; and pro-  
9 viding for an effective date."

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

11 \* Section 1. The sum of \$265,900,000 is appropriated from the general  
12 fund to the power project fund of the Alaska Power Authority (AS 44.83.170)  
13 for the following projects in the amounts specified after each:

14	(1) Bradley Lake	\$40,000,000
15	(2) Port Lions	1,400,000
16	(3) Solomon Gulch	45,000,000
17	(4) Swan Lake	53,000,000
18	(5) Terror Lake	81,500,000
19	(6) Tyee Lake	45,000,000

20 \* Sec. 2. The sum of \$76,000,000 is appropriated from the general fund  
21 to the power project fund of the Alaska Power Authority (AS 44.83.170) for  
22 acquisition of a right-of-way for and design and construction of a high  
23 voltage electrical transmission system connecting Anchorage and Fairbanks.

24 \* Sec. 3. The sum of \$750,000 is appropriated from the general fund to  
25 the power project fund of the Alaska Power Authority (AS 44.83.170) for  
26 acquisition of a right-of-way for and design and construction of an electri-  
27 cal transmission system connecting Craig and Klawock.

28 \* Sec. 4. The sum of \$200,000 is appropriated from the general fund to  
29 the power project fund of the Alaska Power Authority (AS 44.83.170) for

1 construction of a single wire ground return transmission line between Kobuk  
2 and Shungnak.

3 \* Sec. 5. The sum of \$3,250,000 is appropriated from the general fund to  
4 the power project fund of the Alaska Power Authority (AS 44.83.170) for  
5 phase I of a transmission line between Barrow and Atkasook.

6 \* Sec. 6. The sum of \$60,618,000 is appropriated from the general fund  
7 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
8 loan to the City and Borough of Sitka for completion of the Green Lake  
9 hydroelectric project, to defease or to provide for the payment of debt  
10 service on revenue bonds issued by the City and Borough of Sitka for the  
11 Green Lake hydroelectric project, and for other costs incidental to the  
12 Green Lake hydroelectric project.

13 \* Sec. 7. The sum of \$4,000,000 is appropriated from the general fund to  
14 the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
15 loan to the City of Fairbanks for district heating.

16 \* Sec. 8. The sum of \$4,000,000 is appropriated from the general fund to  
17 the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
18 loan to Alaska Electric Light and Power Company for construction of trans-  
19 mission and distribution facilities.

20 \* Sec. 9. The sum of \$3,000,000 is appropriated from the general fund to  
21 the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
22 loan to Alaska Electric Light and Power Company for rehabilitation of Salmon  
23 Creek II.

24 \* Sec. 10. The sum of \$9,000,000 is appropriated from the general fund  
25 to the power project fund of the Alaska Power Authority (AS 44.83.170) for  
26 rural electrification loans.

27 \* Sec. 11. The sum of \$1,000,000 is appropriated from the general fund  
28 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
29 loan to the Bethel Utilities Corporation for construction of waste heat

1 facilities.

2 \* Sec. 12. The sum of \$36,900,000 is appropriated from the general fund  
3 to the Alaska Power Authority for feasibility studies, preconstruction  
4 design, and engineering, to be allocated to the following proposed power  
5 projects:

6	(1) Black Bear Lake	2,000,000
7	(2) Chester Lake	1,000,000
8	(3) Chakachamna Lake	1,000,000
9	(4) Grant Lake	1,000,000
10	(5) Bethel regional study/Kisaralik	1,000,000
11	(6) Power Creek	700,000
12	(7) Snettisham (Crater Lakes)	4,500,000
13	(8) Susitna	18,100,000
14	(9) Tazimina Lake	2,000,000
15	(10) Rural community feasibility studies: Akhiok,	
16	Ambler, Angoon, Atka, Chignik, Chignik	
17	Lagoon, Chignik Lake, Chuathbaluk, Cold Bay,	
18	Elim, False Pass, Goodnews Bay, Grayling,	
19	Gustavus, Ivanoff Bay, Kaltag, Karluk,	
20	Kiana, King Cove, Larsen Bay, Nikolski,	
21	Old Harbor, Perryville, Scammon Bay,	
22	Shungnak, Tenakee Springs, Togiak,	
23	Unalaska	5,600,000

24 \* Sec. 13. The sum of \$560,000 is appropriated from the general fund to  
25 the Alaska Power Authority for reconnaissance studies for proposed energy  
26 project sites for the following rural communities: Alatna, Aniak, Atkasook,  
27 Brevig Mission, Cheforak, Craig, Dikwede, Galena, Golovin, Hooper Bay,  
28 Kalskag, Kotlik, Koyuk, Lower Kalskag, Mekoryuk, New Chenega, Newtok,  
29 Nightmute, Ouzinkie, Ruby, Saint George, Saint Mary's, Saint Michael, Saint

1 Paul, Shageluk, Shishmaref, Stebbins, Teller, Toksook Bay, Tununak,  
2 Unalakleet, and Yakutat.

3 \* Sec. 14. The sum of \$996,000 is appropriated from the general fund to  
4 the Alaska Power Authority for a feasibility study examining design and  
5 construction of an electrical transmission system between Hoonah and Juneau.

6 \* Sec. 15. The sum of \$42,000 is appropriated from the general fund to  
7 the Alaska Power Authority for a feasibility study regarding improvements to  
8 hydroelectric facilities for Pelican.

9 \* Sec. 16. The sum of \$4,500,000 is appropriated from the general fund  
10 to the Alaska Power Authority for design, engineering, implementation, and  
11 construction of the Lake Elva hydroelectric project.

12 \* Sec. 17. The sum of \$50,000 is appropriated from the general fund to  
13 the Alaska Power Authority for a feasibility study relating to reactivation  
14 of an abandoned hydroelectric site at Chitina.

15 \* Sec. 18. The sum of \$440,000 is appropriated from the general fund to  
16 the Alaska Power Authority for a feasibility study of the Fairbanks district  
17 heating extension.

18 \* Sec. 19. The sum of \$1,400,000 is appropriated from the general fund  
19 to the Alaska Power Authority for a feasibility study and for advanced  
20 design and engineering of an electrical transmission system between Valdez  
21 and Cordova, and for a feasibility study and advanced design and engineering  
22 of an electrical transmission system between Valdez and Cordova, and for a  
23 feasibility study and advanced design and engineering of small-scale hydro-  
24 electric sites along the route of the transmission system.

25 \* Sec. 20. The sum of \$600,000 is appropriated from the general fund to  
26 the Alaska Power Authority for a feasibility study of a coal-fired power  
27 plant for Cordova.

28 \* Sec. 21. The sum of \$8,000,000 is appropriated from the general fund  
29 to the Alaska Power Authority for the power production cost assistance fund

1 (AS 44.83.162).

2 \* Sec. 22. The sum of \$125,000 is appropriated from the general fund to  
3 the Alaska Power Authority as grants for waste heat projects in Crooked  
4 Creek and Chuathbaluk.

5 \* Sec. 23. The sum of \$150,000 is appropriated from the general fund to  
6 the Alaska Power Authority as a grant for a waste heat project at McGrath.

7 \* Sec. 24. The sum of \$380,000 is appropriated from the general fund to  
8 the Alaska Power Authority as a grant for design and construction of a waste  
9 heat project at Unalaska.

10 \* Sec. 25. The sum of \$961,000 is appropriated from the general fund to  
11 the Alaska Power Authority as a grant for an electrical transmission system  
12 at Nondalton.

13 \* Sec. 26. The sum of \$4,245,300 is appropriated from the general fund  
14 to the Department of Administration for payment as grants in accordance with  
15 AS 37.05.315 to the following cities for the purposes and in the amounts set  
16 out after each:

17	(1) Allakaket generator	12,600
18	(2) Atmautluak electrification	625,000
19	(3) Diomede electrification	106,000
20	(4) Ekwok generator	25,000
21	(5) Golovin electrification	225,200
22	(6) Hooper Bay generator	34,000
23	(7) Kotlik electrification	65,000
24	(8) Napaskiak electrification	215,000
25	(9) Newhalen generators and electrification	730,000
26	(10) Newtok electrification	190,000
27	(11) Nome electric utility facilities upgrade	943,000
28	(12) Ruby electrification	73,000
29	(13) Russian Mission generator	30,000

1	(14) Shaktoolik power lines	53,500
2	(15) Tuluksak electrification	148,000
3	(16) Unalaska electrification	600,000
4	(17) White Mountain electrification	170,000

5 \* Sec. 27. The sum of \$12,000,000 is appropriated from the general fund  
6 to the Department of Commerce and Economic Development, division of energy  
7 conservation and management, for energy conservation assistance and weather-  
8 ization.

9 \* Sec. 28. The sum of \$2,050,000 is appropriated from the general fund  
10 to the Department of Commerce and Economic Development, division of energy  
11 conservation and management, for energy planning, to be allocated as follows:

12	preparation of state energy plan	\$700,000
13	regional energy planning under contract	
14	with nonprofit corporations	600,000
15	energy emergency contingency planning	150,000
16	municipal energy management and	
17	planning contracts	600,000

18 \* Sec. 29. The sum of \$250,000 is appropriated from the general fund to  
19 the Department of Commerce and Economic Development, division of energy  
20 conservation and management for energy activities as follows:

21	state-federal liaison	\$125,000
22	energy information	125,000

23 \* Sec. 30. The sum of \$10,000,000 is appropriated from the general fund  
24 to the Department of Commerce and Economic Development, division of energy  
25 conservation and management, for energy conservation refunds, grants, and  
26 residential energy audits.

27 \* Sec. 31. The sum of \$2,430,500 is appropriated from the general fund  
28 to the Department of Commerce and Economic Development, division of energy  
29 conservation and management, for a grant to the Fairbanks North Star Borough

1 for phase I of an energy management program.

2 \* Sec. 32. The sum of \$2,400,000 is appropriated from the general fund  
3 to the Department of Commerce and Economic Development, division of energy  
4 conservation and management, for the bulk fuel storage facilities grant fund  
5 (AS 44.33.100).

6 \* Sec. 33. The sum of \$15,000,000 is appropriated from the general fund  
7 to the Department of Commerce and Economic Development, division of small  
8 business loans, for alternative energy and energy conservation loan programs.

9 \* Sec. 34. The sum of \$1,879,100 is appropriated from the general fund  
10 to the Department of Community and Regional Affairs for payment as grants in  
11 accordance with AS 37.05.315(f) to the following unincorporated communities  
12 for the purposes and in the amounts set out after each:

13	(1) Alatna generator	36,000
14	(2) Arctic Village generator	26,400
15	(3) Chalkyitsik electrification	103,000
16	(4) Circle electrification	81,700
17	(5) Dot Lake generator	12,000
18	(6) Kongiganak electrification	135,000
19	(7) Kwigillingok electrification	120,000
20	(8) Levelock electrification	450,000
21	(9) Perryville electrification	145,000
22	(10) Pilot Point electrification	450,000
23	(11) Tatitlek generator	70,000
24	(12) Tuntutuliak electrification	250,000

25 \* Sec. 35. The sum of \$400,000 is appropriated from the general fund to  
26 the Department of Community and Regional Affairs for payment as a grant in  
27 accordance with AS 37.05.315 to the Kuskokwim Native Association for elec-  
28 trification of Chuathbaluk, Crooked Creek, Sleetmute, and Stony River.

29 \* Sec. 36. The sum of \$1,708,000 is appropriated from the general fund

1 to the Department of Community and Regional Affairs for payment as a grant  
2 in accordance with AS 37.05.315 to the Mauneluk Association for energy  
3 conservation systems in Ambler, Deering, Kiana, Kivalina, Kobuk, Noatak,  
4 Noorvik, Selawik, and Shungnak.

5 \* Sec. 37. The sum of \$100,000 is appropriated from the general fund to  
6 the Department of Natural Resources for a coal resource investigation on  
7 Saint Lawrence Island.

8 \* Sec. 38. The sum of \$1,300,000 is appropriated from the general fund  
9 to the Department of Natural Resources for phases III and IV of the North-  
10 west Alaska Coal Resources Investigation, including reconnaissance drilling  
11 at the Chicago Creek, Point Hope, Point Lay, and Kiana (Kobuk River) areas.

12 \* Sec. 39. The sum of \$5,000,000 is appropriated from the general fund  
13 to the Department of Natural Resources, division of geological and geo-  
14 physical surveys, for geothermal well drilling at Unalaska.

15 \* Sec. 40. The sum of \$550,000 is appropriated from the general fund to  
16 the Department of Transportation and Public Facilities for installation of  
17 coal-fired heating systems in the Railbelt regional educational attendance  
18 area schools.

19 \* Sec. 41. The sum of \$250,000 is appropriated from the general fund to  
20 the Office of the Governor for the fuel emergency fund (AS 44.19.052).

21 \* Sec. 42. The sum of \$350,000 is appropriated from the general fund to  
22 the University of Alaska for energy conservation improvements.

23 \* Sec. 43. The sum of \$150,000 is appropriated from the general fund to  
24 the University of Alaska for upper division and graduate course curriculum  
25 development for energy courses and energy-related studies.

26 \* Sec. 44. The sum of \$200,000 is appropriated from the general fund to  
27 the University of Alaska, division of community colleges and rural educa-  
28 tion, for development of energy studies within community college curricula.

29 \* Sec. 45. The sum of \$200,000 is appropriated from the general fund to

1 the University of Alaska, division of community colleges and rural education,  
2 for vocational and job training programs related to renewable energy and  
3 energy conservation.

4 \* Sec. 46. The sum or \$200,000 is appropriated from the general fund to  
5 the University of Alaska, energy alternatives program (School of Agriculture  
6 and Land Resources Management) for teacher training and curriculum develop-  
7 ment and for television programming relating to energy-related subjects in  
8 elementary and secondary school curricula.

9 \* Sec. 47. The sum of \$1,664,650 is appropriated from the general fund  
10 to the Alaska Energy Center for a grant to the Fairbanks North Star Borough  
11 for the following purposes:

12	solar collector retrofit,	
13	phase I	\$ 404,000
14	waste heat greenhouses	1,260,650

15 \* Sec. 48. The sum of \$6,400,000 is appropriated from the general fund  
16 to the Alaska Energy Center for research, development, and demonstration  
17 projects under AS 37.25.030.

18 \* Sec. 49. The sum of \$1,500,000 is appropriated from the general fund  
19 to the Alaska Energy Center for an economic feasibility study and precon-  
20 struction costs for a plant in southcentral Alaska which uses developed  
21 technology to process peat for fuel for export and domestic use.

22 \* Sec. 50. The sum of \$75,000 is appropriated from the general fund to  
23 the Alaska Energy Center for a grant to the Fairbanks North Star Borough for  
24 a solar energy system for the Mary Siah Recreation Center.

25 \* Sec. 51. The sum of \$4,030,000 is appropriated from the general fund  
26 to the Alaska Energy Center for the following feasibility studies relating  
27 to energy projects of the center:

28	(1) Angoon tidal power project	500,000
29	(2) Kodiak waste heat cogeneration project	2,500,000

1	(3) Kotzebue district heating and	
2	power feasibility and design	120,000
3	(4) Kotzebue coal utilization study	100,000
4	(5) Mary's Igloo -- design of an energy	
5	efficient community in conjunction with	
6	relocation	50,000
7	(6) Ouzinkie waste heat project	700,000
8	(7) Port Alexander wind project	30,000
9	(8) Saint Mary's waste heat and district	
10	heating study	30,000

11 \* Sec. 52. The sum of \$1,340,000 is appropriated from the general fund  
 12 to the Alaska Energy Center for the following projects:

13	(1) Holy Cross wind project	40,000
14	(2) Kotzebue wind generator	200,000
15	(3) Pilgrim Hot Springs geothermal project	700,000
16	(4) Sheldon Point wind project	300,000
17	(5) Skagway construction of wind	
18	generating system	100,000

19 \* Sec. 53. The sum of \$400,000 is appropriated from the general fund to  
 20 the Alaska Energy Center for the Bering Straits wind project, including  
 21 design and construction of wind energy systems in Golovin, Shishmaref,  
 22 Teller, and White Mountain, and planning for project expansion to Brevig  
 23 Mission, Buckland, Diomede, Savoonga, and Wales.

24 \* Sec. 54. The sum of \$300,000 is appropriated from the general fund to  
 25 the Legislative Council for the Joint Gas Pipeline Committee for a study of  
 26 alternative methods of transporting Prudhoe Bay natural gas to market.

27 \* Sec. 55. The sum of \$150,000 is appropriated from the general fund to  
 28 the Legislative Council for a study of alternatives for consolidating or  
 29 coordinating state agencies and state agency programs relating to energy.

1 \* Sec. 56. The sum of \$600,000 is appropriated from the general fund to  
2 the Legislative Council for the House Special Committee on Coal for a feasi-  
3 bility study on site selection and rail and road connections for a major  
4 coal export facility.

5 \* Sec. 57. Section 1(1), ch. 54, SLA 1980 is repealed.

6 \* Sec. 58. Sections 1 - 11 and 27 - 32 of this Act take effect on the  
7 effective date of a version of Senate Bill No. 25' entitled "An Act relating  
8 to energy; and providing for an effective date.", in which the maximum  
9 interest rate on loans from the power project fund (AS 44.83.170) is set at  
10 alternative rates of three percent or six percent, and in which an energy  
11 conservation and management program is established in the Department of  
12 Commerce and Economic Development.

13 \* Sec. 59. Sections 12 - 26 and 33 - 57 of this Act take effect immedi-  
14 ately in accordance with AS 01.10.070(c).

Terror Lake is an \$85 million 20 mw project that would provide power to Kodiak. Construction start is estimated for the Summer of 1981, and the project consists of an earth fill dam, four miles of power tunnel and 17 miles of transmission line. Funding to date (\$3. million) has been provided through the Power Authority Loan Fund, and long term financing is otherwise envisioned to be revenue bonds and Rural Electrification Administration. Power on line would be 1983 assuming a FERC license this summer.

Tyee Lake is a 20 mw project that would provide power to Petersburg, Wrangell and possibly Kake. The project consists of a high head lake tap, underground power tunnel, surface power house, and 80 miles of transmission line. Present day cost of the project is \$60 million of which \$17 million has been provided through a Power Authority loan for engineering, design, FERC license application and ordering of long lead time equipment. Power on line would be 1983 with major construction start in September, 1981. Original long term financing had been envisioned as Power Authority revenue bonds.

Green Lake is a 16.5 mw project presently under construction. Power from the project will be absorbed in the Sitka area with power on line estimated to be late 1981. To date, the state has provided roughly \$8 million toward the cost of construction with the remainder coming from revenue bonds (\$47 million). The project consists of a 200 foot high thin arch dam, 2000 foot of underground power tunnel, and attendant transmission line.

Swan Lake is presently under construction, and when complete, will provide 22 mw of power to the Ketchikan area. The project will consist of a thin arch dam, underground power tunnel and 25 miles of transmission line. Power on line is scheduled for late 1983. To date, \$21 million has been provided to the community through loans from the Power Project Loan Fund, and it had originally been envisioned that the balance of the (\$75 million) project financing would be provided by Power Authority revenue bonds. The latest bid on a portion of the project has been

received and interim financing is being sought by the Power Authority until a decision is reached on a long term plan of finance. Funds to date have been used for engineering and design, reservoir clearing and ordering of long lead time equipment.

Bradley Lake is a 70 mw project authorized for construction in 1961 by the Corps of Engineers. Present day cost of the project as estimated by the Corps of Engineers is \$180 million. The Corps has programmed another year of field explorations which would support a Corps request from Congress of construction funds in October 1982 with construction beginning in Spring 1983 if funds are forthcoming. State funding using the Corps may accelerate construction by a year. The project consists of a conventional lake tap, 17,000 feet of underground tunnel, a 100 foot high concrete gravity dam and attendant transmission line. Power market center would be the Kenai, Homer area. Power on line date under the State funded program would be 1985.

Chester Lake is a 2.5 mw project which would provide power to Metlakatla. The original cost estimated was provided by Retherford Engineers for the Community of Metlakatla. The project is basically in the reconnaissance stage, however, because all of the land is in private ownership, a Federal Energy Regulatory Commission license to construct would not be required. The reconnaissance study, cost estimate and method of construction have not been reviewed by the Power Authority, however, a detailed analysis would be conducted by the Authority if funds were forthcoming, before a commitment to construct were made.

Solomon Gulch is a 12 mw project that would provide power to Valdez and Glenallen. The project is presently under construction and power-on-line is estimated to be Summer of 1981. The project consists of a 200 foot high earthfill dam, surface mounted penstock and powerhouse and 100 miles of transmission line. Financing for the \$62 million project has been provided to date by the Rural Electrification Administration, the Federal Financing Bank, with roughly \$20 million yet to be provided by the Power Authority through revenue bonds.

Snettisham Ph. II would consist of a lake tap of Long Lake underground power tunnel, and generating units in the existing powerhouse. The project would be constructed by the Corps of Engineers, and has a present day cost of \$40 million. The Alaska Power Administration (Federal) projects a need for the project by 1987. This is a result of conversion in Juneau to electric heating.

Port Lyons would consist of a 250 kw project at a cost of \$1.5 million for the community of Port Lyons. Funds to date have been provided through the Power Authority loan fund (\$260,000) and the Federal Government (\$107,000). Absent a State program, the balance of funds needed for construction would come from the Federal REA and from Power Authority revenue bonds.

The Intertie would consist of a 345 kv transmission line operated originally at 138 kv between Anchorage and Fairbanks. Estimated cost of the project in present day dollars is \$70 million. The project would allow economy energy to be transferred from Anchorage to Fairbanks and would defer capital investments in Anchorage of roughly 60 mw of additional capacity. The project would consist of lines capable of providing for future major generation in the "railbelt" area and would secure sufficient right-of-way for future needs. Funding to date has consisted of \$3 million to the Power Authority for engineering, design, and right-of-way selection.

EY/mc2/5

STATE OF ALASKA  
THE LEGISLATURE

POUCH Y - STATE CAPITOL  
JUNEAU, ALASKA 99811  
9C7-465-3800

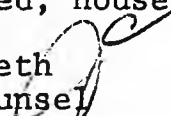
LEGISLATIVE AFFAIRS AGENCY

MEMORANDUM

June 2, 1981

SUBJECT: HCS CSSSSB 26 (Finance)

TO: House Finance Committee  
Attn: Bob Speed, House Resources Committee

FROM: John B. Chenoweth  
Legislative Counsel 

Former Secs. 8, 9, and 10 appear as Secs. 22 - 24. With reference to them and to Secs. 21 and 25, where in AS 44.83 is the Alaska Power Authority authorized to pay grants for projects? Also, with reference to each of them, to what party is an appropriation payable "as a grant"? You would be better advised to use the municipal grant fund to carry these off.

As to your first changes in the material last appearing as Sec. 1 of HCS CSSB 205 -- now Sec. 28 -- be advised that your total was incorrect.

You asked that former Sec. 37 be deleted, and I did so. However, that leaves Sec. 27 of this bill, and some of the following sections, dependent on the adoption of bills presently under consideration which may or may not pass. If this appropriation alone is approved, and the other legislation on which it depends is not adopted, you will have several appropriations in this legislation without companion authorizations. Please consider reinserting cross-reference effective date provisions back into this legislation.

JBC:ljb

Enclosure

Original sponsors: Kerttula, Ziegler,  
Ferguson, et al

<u>Funding Information</u>	
General Fund	\$559,294,550
Other Funds	-0-
	<u>\$559,294,550</u>

1 IN THE SENATE BY THE FINANCE COMMITTEE

2 HOUSE CS FOR CS FOR SENATE BILL NO. 26 (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 to various state agencies  
7 for energy-related programs and projects, and repealing  
8 a 1980 appropriation for a power project; and pro-  
9 viding for an effective date."

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

11 \* Section 1. The sum of \$265,900,000 is appropriated from the general  
12 fund to the power development fund of the Alaska Power Authority (AS 44.83.-  
13 400 - 44.83.510) for the following projects in the amounts specified after  
14 each:

- |    |                   |              |
|----|-------------------|--------------|
| 15 | (1) Bradley Lake  | \$40,000,000 |
| 16 | (2) Port Lions    | 1,400,000    |
| 17 | (3) Solomon Gulch | 45,000,000   |
| 18 | (4) Swan Lake     | 53,000,000   |
| 19 | (5) Terror Lake   | 81,500,000   |
| 20 | (6) Tyee Lake     | 45,000,000   |

21 \* Sec. 2. The sum of \$76,000,000 is appropriated from the general fund  
22 to the power development fund of the Alaska Power Authority (AS 44.83.400 -  
23 44.83.510) for acquisition of a right-of-way for and design and construction  
24 of a high voltage electrical transmission system connecting Anchorage and  
25 Fairbanks.

26 \* Sec. 3. The sum of \$700,000 is appropriated from the general fund to  
27 the power development fund of the Alaska Power Authority (AS 44.83.400 -  
28 44.83.510) for acquisition of a right-of-way for and design and construction  
29 of an electrical transmission system connecting Craig and Klawock.

1 \* Sec. 4. The sum of \$200,000 is appropriated from the general fund to  
 2 the power development fund of the Alaska Power Authority (AS 44.83.400 -  
 3 44.83.510) for construction of a single wire ground return transmission line  
 4 between Kobuk and Shungnak.

5 \* Sec. 5. The sum of \$3,250,000 is appropriated from the general fund to  
 6 the power development fund of the Alaska Power Authority (AS 44.83.400 -  
 7 44.83.510) for phase I of a transmission line between Barrow and Atkasook.

8 \* Sec. 6. The sum of \$60,618,000 is appropriated from the general fund  
 9 to the power development fund of the Alaska Power Authority (AS 44.83.400 -  
 10 44.83.510) for a loan to the City and Borough of Sitka for completion of the  
 11 Green Lake hydroelectric project, to defease or to provide for the payment  
 12 of debt service on revenue bonds issued by the City and Borough of Sitka for  
 13 the Green Lake hydroelectric project, and for other costs incidental to the  
 14 Green Lake hydroelectric project.

15 \* Sec. 7. The sum of \$36,900,000 is appropriated from the general fund  
 16 to the Alaska Power Authority for feasibility studies, preconstruction  
 17 design, and engineering, to be allocated to the following proposed power  
 18 projects:

19	(1) Black Bear Lake	2,000,000
20	(2) Chester Lake	1,000,000
21	(3) Chakachamna Lake	1,000,000
22	(4) Grant Lake	1,000,000
23	(5) Bethel regional study/Kisaralik	1,000,000
24	(6) Power Creek	700,000
25	(7) Snettisham (Crater Lakes)	4,500,000
26	(8) Susitna	18,100,000
27	(9) Tazimina Lake	2,000,000
28	(10) Rural community feasibility studies: Akhiok,	
29	Ambler, Angoon, Atka, Chignik, Chignik	

1 Lagoon, Chignik Lake, Chuathbaluk, Cold Bay,  
 2 Elim, False Pass, Goodnews Bay, Grayling,  
 3 Gustavus, Ivanoff Bay, Kaltag, Karluk,  
 4 Kiana, King Cove, Larsen Bay, Nikolski,  
 5 Old Harbor, Perryville, Scammon Bay,  
 6 Shungnak, Tenakee Springs, Togiak,  
 7 Unalaska 5,600,000

8 \* Sec. 8. The sum of \$560,000 is appropriated from the general fund to  
 9 the Alaska Power Authority for reconnaissance studies for proposed energy  
 10 project sites for the following rural communities: Alatna, Aniak, Atkasook,  
 11 Brevig Mission, Chefnak, Craig, Diomede, Galena, Golovin, Hooper Bay,  
 12 Kalskag, Kctlik, Koyuk, Lower Kalskag, Mekoryuk, New Chenega, Newtok,  
 13 Nightmute, Ouzinkie, Ruby, Saint George, Saint Mary's, Saint Michael, Saint  
 14 Paul, Shageluk, Shishmaref, Stebbins, Teller, Toksook Bay, Tununak,  
 15 Unalakleet, and Yakutat.

16 \* Sec. 9. The sum of \$996,000 is appropriated from the general fund to  
 17 the Alaska Power Authority for a feasibility study examining design and  
 18 construction of an electrical transmission system between Hoonah and Juneau.

19 \* Sec. 10. The sum of \$42,000 is appropriated from the general fund to  
 20 the Alaska Power Authority for a feasibility study regarding improvements to  
 21 hydroelectric facilities for Pelican.

22 \* Sec. 11. The sum of \$4,500,000 is appropriated from the general fund  
 23 to the Alaska Power Authority for design and engineering for the Lake Elva  
 24 hydroelectric project.

25 \* Sec. 12. The sum of \$50,000 is appropriated from the general fund to  
 26 the Alaska Power Authority for a feasibility study relating to reactivation  
 27 of an abandoned hydroelectric site at Chitina.

28 \* Sec. 13. The sum of \$440,000 is appropriated from the general fund to  
 29 the Alaska Power Authority for a feasibility study of the Fairbanks district

1 heating extension.

2 \* Sec. 14. The sum of \$1,400,000 is appropriated from the general fund  
3 to the Alaska Power Authority for a feasibility study and for advanced  
4 design and engineering of an electrical transmission system between Valdez  
5 and Cordova, and for a feasibility study and advanced design and engineering  
6 of an electrical transmission system between Valdez and Cordova, and for a  
7 feasibility study and advanced design and engineering of small-scale hydro-  
8 electric sites along the route of the transmission system.

9 \* Sec. 15. The sum of \$600,000 is appropriated from the general fund to  
10 the Alaska Power Authority for a feasibility study of a coal-fired power  
11 plant for Cordova.

12 \* Sec. 16. The sum of \$4,000,000 is appropriated from the general fund  
13 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
14 loan to the City of Fairbanks for district heating.

15 \* Sec. 17. The sum of \$4,000,000 is appropriated from the general fund  
16 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
17 loan to Alaska Electric Light and Power Company for construction of trans-  
18 mission and distribution facilities.

19 \* Sec. 18. The sum of \$3,000,000 is appropriated from the general fund  
20 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
21 loan to Alaska Electric Light and Power Company for rehabilitation of Salmon  
22 Creek II.

23 \* Sec. 19. The sum of \$10,000,000 is appropriated from the general fund  
24 to the power project fund of the Alaska Power Authority (AS 44.83.170) for  
25 rural electrification loans.

26 \* Sec. 20. The sum of \$8,000,000 is appropriated from the general fund  
27 to the Alaska Power Authority for the power production cost assistance fund  
28 (AS 44.83.162).

29 \* Sec. 21. The sum of \$125,000 is appropriated from the general fund to

1 the Alaska Power Authority as grants for waste heat projects in Crooked  
2 Creek and Chuathbaluk.

3 \* Sec. 22. The sum of \$150,000 is appropriated from the general fund to  
4 the Alaska Power Authority as a grant for a waste heat project at McGrath.

5 \* Sec. 23. The sum of \$380,000 is appropriated from the general fund to  
6 the Alaska Power Authority as a grant for design and construction of a waste  
7 heat project at Unalaska.

8 \* Sec. 24. The sum of \$961,000 is appropriated from the general fund to  
9 the Alaska Power Authority as a grant for an electrical transmission system  
10 at Nondalton.

11 \* Sec. 25. The sum of \$5,000,000 is appropriated from the general fund  
12 to the Alaska Power Authority for geothermal well drilling at Unalaska.

13 \* Sec. 26. The sum of \$4,245,300 is appropriated from the general fund  
14 to the Department of Administration for payment as grants in accordance with  
15 AS 37.05.315 to the following cities for the purposes and in the amounts set  
16 out after each:

17	(1) Allakaket generator	12,600
18	(2) Atmautluak electrification	625,000
19	(3) Diomedea electrification	106,000
20	(4) Ekwok generator	25,000
21	(5) Golovin electrification	225,200
22	(6) Hooper Bay generator	34,000
23	(7) Kotlik electrification	65,000
24	(8) Napaskiak electrification	215,000
25	(9) Newhalen generators and electrification	730,000
26	(10) Newtok electrification	190,000
27	(11) Nome electric utility facilities upgrade	943,000
28	(12) Ruby electrification	73,000
29	(13) Russian Mission generator	30,000

1 (14) Shaktoolik power lines 53,500

2 (15) Tuluksak electrification 148,000

3 (16) Unalaska electrification 600,000

4 (17) White Mountain electrification 170,000

5 \* Sec. 27. The sum of \$12,000,000 is appropriated from the general fund  
6 to the Department of Commerce and Economic Development, division of energy  
7 and power development, for energy conservation assistance and weatheri-  
8 zation.

9 \* Sec. 28. The sum of \$2,050,000 is appropriated from the general fund  
10 to the Department of Commerce and Economic Development, division of energy  
11 and power development, for energy planning, to be allocated as follows:

12 preparation of state energy plan \$700,000

13 regional energy planning under contract

14 with nonprofit corporations 600,000

15 energy emergency contingency planning 150,000

16 municipal energy management and

17 planning contracts 600,000

18 \* Sec. 29. The sum of \$250,000 is appropriated from the general fund to  
19 the Department of Commerce and Economic Development, division of energy and  
20 power development, for energy activities as follows:

21 state-federal liaison \$125,000

22 energy information 125,000

23 \* Sec. 30. The sum of \$10,000,000 is appropriated from the general fund  
24 to the Department of Commerce and Economic Development, division of energy  
25 and power development, for energy conservation refunds, grants, and residen-  
26 tial energy audits.

27 \* Sec. 31. The sum of \$15,000,000 is appropriated from the general fund  
28 to the Department of Commerce and Economic Development, division of small  
29 business loans, for alternative energy and energy conservation loan programs.

1 \* Sec. 32. The sum of \$2,430,500 is appropriated from the general fund  
 2 to the Department of Commerce and Economic Development, division of energy  
 3 and power development, for a grant to the Fairbanks North Star Borough for  
 4 phase I of an energy management program.

5 \* Sec. 33. The sum of \$2,400,000 is appropriated from the general fund  
 6 to the Department of Community and Regional Affairs for the bulk fuel storage  
 7 facilities grant fund (AS 44.47.145).

8 \* Sec. 34. The sum of \$1,879,100 is appropriated from the general fund  
 9 to the Department of Community and Regional Affairs for payment as grants in  
 10 accordance with AS 37.05.315(f) to the following unincorporated communities  
 11 for the purposes and in the amounts set out after each:

12	(1) Alatna generator	36,000
13	(2) Arctic Village generator	26,400
14	(3) Chalkyitsik electrification	103,000
15	(4) Circle electrification	81,700
16	(5) Dot Lake generator	12,000
17	(6) Kongiganak electrification	135,000
18	(7) Kwigillingok electrification	120,000
19	(8) Levelock electrification	450,000
20	(9) Perryville electrification	145,000
21	(10) Pilot Point electrification	450,000
22	(11) Tatitlek generator	70,000
23	(12) Tuntutuliak electrification	250,000

24 \* Sec. 35. The sum of \$400,000 is appropriated from the general fund to  
 25 the Department of Community and Regional Affairs for payment as a grant in  
 26 accordance with AS 37.05.315 to the Kuskokwim Native Association for electri-  
 27 fication of Chuathbaluk, Crooked Creek, Sleetmute, and Stony River.

28 \* Sec. 36. The sum of \$1,708,000 is appropriated from the general fund  
 29 to the Department of Community and Regional Affairs for payment as a grant

1 in accordance with AS 37.05.315 to the Mauneluk Association for energy  
2 conservation systems in Ambler, Deering, Kiana, Kivalina, Kobuk, Noatak,  
3 Noorvik, Selawik, and Shungnak.

4 \* Sec. 37. The sum of \$100,000 is appropriated from the general fund to  
5 the Department of Natural Resources for a coal resource investigation on  
6 Saint Lawrence Island.

7 \* Sec. 38. The sum of \$1,300,000 is appropriated from the general fund  
8 to the Department of Natural Resources for a northwest Alaska coal resources  
9 investigation.

10 \* Sec. 39. The sum of \$550,000 is appropriated from the general fund to  
11 the Department of Transportation and Public Facilities for installation of  
12 coal-fired heating systems in the schools of the Railbelt and Delta-Greely  
13 regional educational attendance areas.

14 \* Sec. 40. The sum of \$250,000 is appropriated from the general fund to  
15 the Office of the Governor for the fuel emergency fund (AS 44.19.052).

16 \* Sec. 41. The sum of \$350,000 is appropriated from the general fund to  
17 the University of Alaska for energy conservation improvements.

18 \* Sec. 42. The sum of \$150,000 is appropriated from the general fund to  
19 the University of Alaska for upper division and graduate course curriculum  
20 development for energy courses and energy-related studies.

21 \* Sec. 43. The sum of \$200,000 is appropriated from the general fund to  
22 the University of Alaska, division of community colleges and rural education,  
23 for development of energy studies within community college curricula.

24 \* Sec. 44. The sum of \$200,000 is appropriated from the general fund to  
25 the University of Alaska, division of community colleges and rural education,  
26 for vocational and job training programs related to renewable energy and  
27 energy conservation.

28 \* Sec. 45. The sum of \$200,000 is appropriated from the general fund to  
29 the University of Alaska, energy alternatives program (School of Agriculture

1 and Land Resources Management) for teacher training and curriculum develop-  
 2 ment and for television programming relating to energy-related subjects in  
 3 elementary and secondary school curricula.

4 \* Sec. 46. The sum of \$1,664,650 is appropriated from the general fund  
 5 to the Alaska Energy Center for a grant to the Fairbanks North Star Borough  
 6 for the following purposes:

7	solar collector retrofit,	
8	phase I	\$ 404,000
9	waste heat greenhouses	1,260,650

10 \* Sec. 47. The sum of \$6,400,000 is appropriated from the general fund  
 11 to the Alaska Energy Center for research, development, and demonstration  
 12 projects under AS 37.25.030.

13 \* Sec. 48. The sum of \$1,500,000 is appropriated from the general fund  
 14 to the Alaska Energy Center for an economic feasibility study and precon-  
 15 struction costs for a plant in southcentral Alaska which uses developed  
 16 technology to process peat for fuel for export and domestic use.

17 \* Sec. 49. The sum of \$75,000 is appropriated from the general fund to  
 18 the Alaska Energy Center for a grant to the Fairbanks North Star Borough for  
 19 a solar energy system for the Mary Siah Recreation Center.

20 \* Sec. 50. The sum of \$4,030,000 is appropriated from the general fund  
 21 to the Alaska Energy Center for the following feasibility studies relating  
 22 to energy projects of the center:

23	(1) Angoon tidal power project	500,000
24	(2) Kodiak waste heat cogeneration project	2,500,000
25	(3) Kotzebue district heating and	
26	power feasibility and design	120,000
27	(4) Kotzebue coal utilization study	100,000
28	(5) Mary's Igloo -- design of an energy	
29	efficient community in conjunction with	

1	relocation	50,000
2	(6) Ouzinkie waste heat project	700,000
3	(7) Port Alexander wind project	30,000
4	(8) Saint Mary's waste heat and district	
5	heating study	30,000

6 \* Sec. 51. The sum of \$1,340,000 is appropriated from the general fund  
7 to the Alaska Energy Center for the following projects:

8	(1) Holy Cross wind project	40,000
9	(2) Kotzebue wind generator	200,000
10	(3) Pilgrim Hot Springs geothermal project	700,000
11	(4) Sheldon Point wind project	300,000
12	(5) Skagway construction of wind	
13	generating system	100,000

14 \* Sec. 52. The sum of \$400,000 is appropriated from the general fund to  
15 the Alaska Energy Center for the Bering Straits wind project, including  
16 design and construction of wind energy systems in Golovin, Shishmaref,  
17 Teller, and White Mountain, and planning for project expansion to Brevig  
18 Mission, Buckland, Diomedea, Savoonga, and Wales.

19 \* Sec. 53. The sum of \$300,000 is appropriated from the general fund to  
20 the Legislative Council for the Joint Gas Pipeline Committee for a study of  
21 alternative methods of transporting Prudhoe Bay natural gas to market.

22 \* Sec. 54. The sum of \$150,000 is appropriated from the general fund to  
23 the Legislative Council for a study of an energy agency organization.

24 \* Sec. 55. Section 1(1), ch. 54, SLA 1980 is repealed.

25 \* Sec. 56. Sections 1 - 6 of this Act take effect on the effective date  
26 of a version of Senate Bill No. 25 entitled "An Act relating to energy  
27 projects and programs of the Alaska Power Authority; and providing for an  
28 effective date.", in which the power development fund is established.

29 \* Sec. 57. Section 29 of this Act takes effect on the effective date of

1 a version of an Act entitled "An Act establishing assistance and information  
2 programs on energy in the Department of Commerce and Economic Development;  
3 and providing for an effective date."

4 \* Sec. 58. Sections 7 - 28 and 30 - 55 of this Act take effect immedi-  
5 ately in accordance with AS 01.10.070(c).

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AMENDMENT

OFFERED IN THE HOUSE:

By: Adams

To: \_\_\_\_\_ HOUSE BILL No. HCS CSSSSB 26

*Sec. 38*

SENATE BILL No. \_\_\_\_\_

PAGE: 8

LINE: 8

The sum of \$1,300,000 is appropriated from the general fund to the Dept. of Natural Resources for After "for" delete the remainder of the section, and add "phases III and IV of the Northwest Alaska Coal Resources Investigation, including reconnaissance drilling at the Chicago Creek, Point Hope, Point Lay and Kiana (Kobuk River) areas."

House CS ~~SB~~ 26 (Finance)

Amendment by Buchholdt  
moved by Cotten

5 <sup>56</sup> \* Sec. ~~44~~ The sum of <sup>600,000</sup> ~~2,000,000~~ is appropriated from the general fund  
6 to the Legislative Council for the House Special Committee on Coal for a  
7 feasibility study concerning site selection and rail and road connections  
8 for a major coal export facility.

1 to the Department of Community and Regional Affairs for payment as a grant  
2 in accordance with AS 37.05.315 to the Mauneluk Association for energy  
3 conservation systems in Ambler, Deering, Kiana, Kivalina, Kobuk, Noatak,  
4 Noorvik, Selawik, and Shungnak.

5 \* Sec. 37. The sum of \$100,000 is appropriated from the general fund to  
6 the Department of Natural Resources for a coal resource investigation on  
7 Saint Lawrence Island.

8 ~~\* Sec. 38. The sum of \$1,300,000 is appropriated from the general fund~~  
9 ~~to the Department of Natural Resources for a Northwest Alaska Coal Resources~~  
10 ~~investigation including drilling~~  
*ADD NEW SEC 38 (COPY ATTACH 25))*  
*phases III + IV of the*

11 \* Sec. 39. The sum of \$5,000,000 is appropriated from the general fund  
12 to the Department of Natural Resources, division of geological and geo-  
13 physical surveys, for geothermal well drilling at Unalaska.

14 \* Sec. 40. The sum of \$550,000 is appropriated from the general fund to  
15 the Department of Transportation and Public Facilities for installation of  
16 coal-fired heating systems in the schools of the Railbelt [and Delta-Greely]  
17 regional educational attendance areas.

18 \* Sec. 41. The sum of \$250,000 is appropriated from the general fund to  
19 the Office of the Governor for the fuel emergency fund (AS 44.19.052).

20 \* Sec. 42. The sum of \$350,000 is appropriated from the general fund to  
21 the University of Alaska for energy conservation improvements.

22 \* Sec. 43. The sum of \$150,000 is appropriated from the general fund to  
23 the University of Alaska for upper division and graduate course curriculum  
24 development for energy courses and energy-related studies.

25 \* Sec. 44. The sum of \$200,000 is appropriated from the general fund to

THE LEGISLATURE OF THE STATE OF ALASKA  
ELEVENTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. HCSCSSB 26 (Finance) (EFD Failed)  
 Title An Act making appropriations to various State agencies for energy  
 Requested by related programs and projects and repeal Date June 18, 1981  
ing a 1980 appropriations for poer projects

II. FISCAL DETAIL

Agency Affected Department of Commerce and Economic Development  
 Program Category Affected Development  
 BRU, Program, or Subprogram(s) Affected Division of Business Loans  
 (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 80	FY 81	FY 82	FY 83	FY 84	FY 85
100 PERSONAL SERVICES			157.3	24.7		
200 TRAVEL			21.2			
300 CONTRACTUAL			35.9			
400 COMMODITIES			1.5			
500 EQUIPMENT						
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL			215.9	24.7		

FUNDING (Thousands of Dollars)

GENERAL FUND			215.9	24.7		
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME			5	1		
PART TIME						
TEMPORARY						

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

HCSCSSB 26 provides a total of \$10,000,000 for energy loans. To administer these loan funds, this division will require: A Loan Examiner I/II in each regional office, a Documents Processing Clerk III to handle this volume in Anchorage and an Accounting Clerk III in Juneau to handle the loan disbursements and receipt of payments. If no further funding is appropriated for FY 83, the loans generated from this \$10,000,000 can be serviced by one Accounting Clerk III in Juneau.

IV. DATE June 18, 1981

PREPARED BY [Signature] Hostler, Acting Director  
 AGENCY Department Commerce & Economic Development  
 PHONE Division of Business Loans 2510

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

FISCAL NOTE DETAIL

HCSCSSB 26 (Finance) (EFD Failed) Energy Appropriations

100	2 Loan Examiner I/IIs @\$2,455/mo. ea.	68.0	
	1 Loan Examiner I/II @\$2,837/mo.	34.1	
	1 Documents Processing Clerk III @\$1,564/mo.	18.8	
	1 Accounting Clerk III @\$1,564/mo.	18.8	
	TOTAL WAGES	<u>139.7</u>	
	Standard Benefits (Wages x .1555)	21.7	
	Supplemental Benefits (Wages x .0613)	8.6	
	Health Insurance (man months x \$150)	<u>9.0</u>	
	TOTAL PERSONAL SERVICES		157.3
200	Trips to Inspect Projects and Close Loans		
	36 Trips @\$450	16.2	
	72 Days Per Diem @\$70	<u>5.0</u>	
	TOTAL TRAVEL		21.2
300	Telephone and Postage	16.5	
	Printing and Advertising	5.5	
	Office Space	<u>13.9</u>	
	TOTAL CONTRACTUAL		35.9
400	Office Supplies (Commodities)		1.5
	TOTAL OPERATING COSTS		<u>215.9</u>

THE LEGISLATURE OF THE STATE OF ALASKA  
TWELFTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. House CS for CS for Senate Bill No. 26 (Resources)  
 Title Appropriations to State agencies for energy-related programs and projects.  
 Requested by House Finance Committee Date May 28, 1981

II. FISCAL DETAIL

Agency Affected Department of Community and Regional Affairs  
 Program Category Affected Development  
 BRU, Program, or Subprogram(s) Affected Local Government Assistance  
 (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		87.6	94.6	102.2	110.4	119.2
200 TRAVEL		20.7	22.3	24.1	26.0	28.1
300 CONTRACTUAL		10.8	11.6	12.6	13.6	14.6
400 COMMODITIES		.4	.4	.5	.5	.5
500 EQUIPMENT		3.4	-0-	-0-	-0-	-0-
600 LAND & STRUCTURES		-0-	-0-	-0-	-0-	-0-
700 GRANTS, CLAIMS, ETC.						
<b>TOTAL</b>		<b>122.9</b>	<b>128.9</b>	<b>139.4</b>	<b>150.5</b>	<b>162.4</b>

FUNDING (Thousands of Dollars)

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
GENERAL FUND		122.9	128.9	139.4	150.5	162.4
FEDERAL FUNDS		-0-	-0-	-0-	-0-	-0-
OTHER (Specify Fund Source)		-0-	-0-	-0-	-0-	-0-

POSITIONS

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
FULL TIME		2	2	2	2	2
PART TIME		-0-	-0-	-0-	-0-	-0-
TEMPORARY		-0-	-0-	-0-	-0-	-0-

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

See attached back-up information.

IV. DATE May 28, 1981 PREPARED BY Mckie Campbell  
 AGENCY Department of Community & Regional Affairs  
 PHONE 465-4735  
 Original: Legislative Finance  
 cc: Budget and Management  
 Prime Sponsor (First Legislator Named)

Fiscal Note Continued -- HCS for CS for SB #26 (Resources)

III ANALYSIS

Costs of this bill are shown by section.

PERSONAL SERVICES

Section 28 - Unless SB 422, which would raise the limit on individual bulk fuel storage facility grants from \$60,000 to \$100,000, becomes law, raising the bulk fuel storage facility grant fund appropriation above the Governor's budget request of \$1.08 million would cause severe administrative problems.

If SB 422 passes, the appropriation could be raised to \$1.8 million without creating a need for additional staff. This amount would fund approximately the same number of grants with a \$100,000 upper limit as \$1.08 million would with a \$60,000 grant limit.

At a funding level of either \$1.08 million or \$1.8 million with a \$100,000 grant limit, the Public Facilities Planner II position listed below would not be needed.

If the program is funded at \$2.4 million, a Public Facilities Planner II position would be required. The person in this position would be in charge of the bulk fuel program and existing bulk fuel positions and would bring additional engineering expertise to the program.

Public Facilities Planner II	
Range 21	Step A
Salary	\$39,816.00
Benefits	6,119.72
SBS	2,004.00
Health Insurance	1,848.00
	<u>\$49,787.72</u>

Section 29 - This section would create a new program in the department (though we are currently funding rural electrification under the R.D.A. and Legislative Grant programs). One local Government Specialist position would be necessary to administer these funds.

Local Government Specialist III

Range 17	Step A
Salary	\$29,460
Benefits	4,528
SBS	2,004
Health Insurance	1,848
	<u>\$37,840</u>

TRAVEL

Section 28

14 trips at an average price of \$390 each	\$5,460
28 days x \$70 per diem (state average)	<u>\$1,960</u>

Section 29

25 trips at an average price of \$390 each	\$ 9,750
50 days x \$70 per diem (state average)	\$ 3,500
Total Travel	<u>\$20,670</u>

EQUIPMENT (one time cost)

Section 28

1 desk	\$483
1 chair	\$154
1 calculator	\$250
1 dictating machine	\$740
1 plastic floor mat	\$ 40
1 trash can	\$ 10
	<u>\$1,677</u>

Section 29

SAME TOTAL EQUIPMENT \$3,354

Section 28

Space for 1 person  
\$1.50 x 150 square feet x 12 months = \$2,700

Telephone  
Basic Service \$285 per year  
Long Distance \$1,800 per year TOTAL \$2,085

Printing \$200  
Advertising \$200  
Postage \$200

Section 29

SAME

TOTAL CONTRACTUAL \$11,770

COMMODITIES

Section 28

\$200 per year

Section 29

\$200 per year TOTAL COMMODITIES \$400

Rec'd 6/10/81

THE LEGISLATURE OF THE STATE OF ALASKA  
ELEVENTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. HCSCSSB 26 (Finance) (EFD Failed)

Title An Act making appropriations to various State agencies for energy related programs

Requested by and projects and repealing a 1980 appropriation Date           
for a power project.

II. FISCAL DETAIL

Agency Affected Department of Commerce and Economic Development

Program Category Affected Development

BRU, Program, or Subprogram(s) Affected Division of Business Loans

(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 80	FY 81	FY 82	FY 83	FY 84	FY 85
100 PERSONAL SERVICES		180.7	198.8	218.6	240.5	264.6
200 TRAVEL		11.2	12.3	13.6	14.9	16.4
300 CONTRACTUAL		36.5	40.2	44.2	48.6	53.4
400 COMMODITIES		2.1	2.3	2.5	2.8	3.7
500 EQUIPMENT						
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
<b>TOTAL</b>		<b>230.5</b>	<b>253.6</b>	<b>278.9</b>	<b>306.8</b>	<b>338.1</b>

FUNDING (Thousands of Dollars)

GENERAL FUND		230.5	253.6	278.9	306.8	338.1
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME		5	5	5	5	5
PART TIME						
TEMPORARY						

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

This fiscal note is the same as fiscal note #1 for CSSSHB 9 (SA) prepared by Representative Oral Freeman, Vice Chairman House Finance Committee. This fiscal note is based on the \$15,000,000 this bill appropriates to the Alternative Technology and Energy and Residential Energy Conservation Loan Programs. If this fiscal note passes with HCSCSSB 26 (Finance) (EFD failed), we will not need the funding fiscal note #1 for CSSSHB 9 (SA) provides.

IV. DATE June, 1981

PREPARED BY D. A. Hostak, Acting Director

AGENCY Div. of Business Loans, Dept. of Com. & Eco. Dev.

PHONE 465-2510

Original: Legislative Finance

cc: Budget and Management

Prime Sponsor (First Legislator Named)

Original sponsors: Kerttula, Ziegler,  
Ferguson, et al

Funding Information

General Fund \$559,944,550  
Other Funds -0-  
\$559,944,550

1 IN THE SENATE

BY THE FINANCE COMMITTEE

2 HOUSE CS FOR CS FOR SENATE BILL NO. 26 (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 to various state agencies  
7 for energy-related programs and projects, and repealing  
8 a 1980 appropriation for a power project; and pro-  
9 viding for an effective date."

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

11 \* Section 1. The sum of \$265,900,000 is appropriated from the general  
12 fund to the power project fund of the Alaska Power Authority (AS 44.83.170)  
13 for the following projects in the amounts specified after each:

14	(1) Bradley Lake	\$40,000,000
15	(2) Port Lions	1,400,000
16	(3) Solomon Gulch	45,000,000
17	(4) Swan Lake	53,000,000
18	(5) Terror Lake	81,500,000
19	(6) Tyee Lake	45,000,000

20 \* Sec. 2. The sum of \$76,000,000 is appropriated from the general fund  
21 to the power project fund of the Alaska Power Authority (AS 44.83.170) for  
22 acquisition of a right-of-way for and design and construction of a high  
23 voltage electrical transmission system connecting Anchorage and Fairbanks.

24 \* Sec. 3. The sum of \$750,000 is appropriated from the general fund to  
25 the power project fund of the Alaska Power Authority (AS 44.83.170) for  
26 acquisition of a right-of-way for and design and construction of an electri-  
27 cal transmission system connecting Craig and Klawock.

28 \* Sec. 4. The sum of \$200,000 is appropriated from the general fund to  
29 the power project fund of the Alaska Power Authority (AS 44.83.170) for

1 construction of a single wire ground return transmission line between Kobuk  
2 and Shungnak.

3 \* Sec. 5. The sum of \$3,250,000 is appropriated from the general fund to  
4 the power project fund of the Alaska Power Authority (AS 44.83.170) for  
5 phase I of a transmission line between Barrow and Atkasook.

6 \* Sec. 6. The sum of \$60,618,000 is appropriated from the general fund  
7 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
8 loan to the City and Borough of Sitka for completion of the Green Lake  
9 hydroelectric project, to defease or to provide for the payment of debt  
10 service on revenue bonds issued by the City and Borough of Sitka for the  
11 Green Lake hydroelectric project, and for other costs incidental to the  
12 Green Lake hydroelectric project.

13 \* Sec. 7. The sum of \$4,000,000 is appropriated from the general fund to  
14 the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
15 loan to the City of Fairbanks for district heating.

16 \* Sec. 8. The sum of \$4,000,000 is appropriated from the general fund to  
17 the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
18 loan to Alaska Electric Light and Power Company for construction of trans-  
19 mission and distribution facilities.

20 \* Sec. 9. The sum of \$3,000,000 is appropriated from the general fund to  
21 the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
22 loan to Alaska Electric Light and Power Company for rehabilitation of Salmon  
23 Creek II.

24 \* Sec. 10. The sum of \$9,000,000 is appropriated from the general fund  
25 to the power project fund of the Alaska Power Authority (AS 44.83.170) for  
26 rural electrification loans.

27 \* Sec. 11. The sum of \$1,000,000 is appropriated from the general fund  
28 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
29 loan to the Bethel Utilities Corporation for construction of waste heat

1 facilities.

2 \* Sec. 12. The sum of \$36,900,000 is appropriated from the general fund  
3 to the Alaska Power Authority for feasibility studies, preconstruction  
4 design, and engineering, to be allocated to the following proposed power  
5 projects:

6	(1) Black Bear Lake	2,000,000
7	(2) Chester Lake	1,000,000
8	(3) Chakachamna Lake	1,000,000
9	(4) Grant Lake	1,000,000
10	(5) Bethel regional study/Kisaralik	1,000,000
11	(6) Power Creek	700,000
12	(7) Snettisham (Crater Lakes)	4,500,000
13	(8) Susitna	18,100,000
14	(9) Tazimina Lake	2,000,000
15	(10) Rural community feasibility studies: Akhiok,	
16	Ambler, Angoon, Atka, Chignik, Chignik	
17	Lagoon, Chignik Lake, Chuathbaluk, Cold Bay,	
18	Elim, False Pass, Goodnews Bay, Grayling,	
19	Gustavus, Ivanoff Bay, Kaltag, Karluk,	
20	Kiana, King Cove, Larsen Bay, Nikolski,	
21	Old Harbor, Perryville, Scammon Bay,	
22	Shungnak, Tenakee Springs, Togiak,	
23	Unalaska	5,600,000

24 \* Sec. 13. The sum of \$560,000 is appropriated from the general fund to  
25 the Alaska Power Authority for reconnaissance studies for proposed energy  
26 project sites for the following rural communities: Alatna, Aniak, Atkasook,  
27 Brevig Mission, Chefornak, Craig, Diomede, Galena, Golovin, Hooper Bay,  
28 Kalskag, Kotlik, Koyuk, Lower Kalskag, Mekoryuk, New Chenega, Newtok,  
29 Nightmute, Ouzinkie, Ruby, Saint George, Saint Mary's, Saint Michael, Saint

1 Paul, Shageluk, Shishmaref, Stebbins, Teller, Toksook Bay, Tununak,  
2 Unalakleet, and Yakutat.

3 \* Sec. 14. The sum of \$996,000 is appropriated from the general fund to  
4 the Alaska Power Authority for a feasibility study examining design and  
5 construction of an electrical transmission system between Hoonah and Juneau.

6 \* Sec. 15. The sum of \$42,000 is appropriated from the general fund to  
7 the Alaska Power Authority for a feasibility study regarding improvements to  
8 hydroelectric facilities for Pelican.

9 \* Sec. 16. The sum of \$4,500,000 is appropriated from the general fund  
10 to the Alaska Power Authority for design, engineering, implementation, and  
11 construction of the Lake Elva hydroelectric project.

12 \* Sec. 17. The sum of \$50,000 is appropriated from the general fund to  
13 the Alaska Power Authority for a feasibility study relating to reactivation  
14 of an abandoned hydroelectric site at Chitina.

15 \* Sec. 18. The sum of \$440,000 is appropriated from the general fund to  
16 the Alaska Power Authority for a feasibility study of the Fairbanks district  
17 heating extension.

18 \* Sec. 19. The sum of \$1,400,000 is appropriated from the general fund  
19 to the Alaska Power Authority for a feasibility study and for advanced  
20 design and engineering of an electrical transmission system between Valdez  
21 and Cordova, and for a feasibility study and advanced design and engineering  
22 of an electrical transmission system between Valdez and Cordova, and for a  
23 feasibility study and advanced design and engineering of small-scale hydro-  
24 electric sites along the route of the transmission system.

25 \* Sec. 20. The sum of \$600,000 is appropriated from the general fund to  
26 the Alaska Power Authority for a feasibility study of a coal-fired power  
27 plant for Cordova.

28 \* Sec. 21. The sum of \$8,000,000 is appropriated from the general fund  
29 to the Alaska Power Authority for the power production cost assistance fund

1 (AS 44.83.162).

2 \* Sec. 22. The sum of \$125,000 is appropriated from the general fund to  
3 the Alaska Power Authority as grants for waste heat projects in Crooked  
4 Creek and Chuathbaluk.

5 \* Sec. 23. The sum of \$150,000 is appropriated from the general fund to  
6 the Alaska Power Authority as a grant for a waste heat project at McGrath.

7 \* Sec. 24. The sum of \$380,000 is appropriated from the general fund to  
8 the Alaska Power Authority as a grant for design and construction of a waste  
9 heat project at Unalaska.

10 \* Sec. 25. The sum of \$961,000 is appropriated from the general fund to  
11 the Alaska Power Authority as a grant for an electrical transmission system  
12 at Nondalton.

13 \* Sec. 26. The sum of \$4,245,300 is appropriated from the general fund  
14 to the Department of Administration for payment as grants in accordance with  
15 AS 37.05.315 to the following cities for the purposes and in the amounts set  
16 out after each:

17	(1) Allakaket generator	12,600
18	(2) Atmautluak electrification	625,000
19	(3) Diomedea electrification	106,000
20	(4) Ekwok generator	25,000
21	(5) Golovin electrification	225,200
22	(6) Hooper Bay generator	34,000
23	(7) Kotlik electrification	65,000
24	(8) Napaskiak electrification	215,000
25	(9) Newhalen generators and electrification	730,000
26	(10) Newtok electrification	190,000
27	(11) Nome electric utility facilities upgrade	943,000
28	(12) Ruby electrification	73,000
29	(13) Russian Mission generator	30,000

1 (14) Shaktoolik power lines 53,500

2 (15) Tuluksak electrification 148,000

3 (16) Unalaska electrification 600,000

4 (17) White Mountain electrification 170,000

5 \* Sec. 27. The sum of \$12,000,000 is appropriated from the general fund  
6 to the Department of Commerce and Economic Development, division of energy  
7 conservation and management, for energy conservation assistance and weather-  
8 ization.

9 \* Sec. 28. The sum of \$2,050,000 is appropriated from the general fund  
10 to the Department of Commerce and Economic Development, division of energy  
11 conservation and management, for energy planning, to be allocated as follows:

12 preparation of state energy plan \$700,000

13 regional energy planning under contract

14 with nonprofit corporations 600,000

15 energy emergency contingency planning 150,000

16 municipal energy management and

17 planning contracts 600,000

18 \* Sec. 29. The sum of \$250,000 is appropriated from the general fund to  
19 the Department of Commerce and Economic Development, division of energy  
20 conservation and management for energy activities as follows:

21 state-federal liaison \$125,000

22 energy information 125,000

23 \* Sec. 30. The sum of \$10,000,000 is appropriated from the general fund  
24 to the Department of Commerce and Economic Development, division of energy  
25 conservation and management, for energy conservation refunds, grants, and  
26 residential energy audits.

27 \* Sec. 31. The sum of \$2,430,500 is appropriated from the general fund  
28 to the Department of Commerce and Economic Development, division of energy  
29 conservation and management, for a grant to the Fairbanks North Star Borough

1 for phase I of an energy management program.

2 \* Sec. 32. The sum of \$2,400,000 is appropriated from the general fund  
3 to the Department of Commerce and Economic Development, division of energy  
4 conservation and management, for the bulk fuel storage facilities grant fund  
5 (AS 44.33.100).

6 \* Sec. 33. The sum of \$15,000,000 is appropriated from the general fund  
7 to the Department of Commerce and Economic Development, division of small  
8 business loans, for alternative energy and energy conservation loan programs.

9 \* Sec. 34. The sum of \$1,879,100 is appropriated from the general fund  
10 to the Department of Community and Regional Affairs for payment as grants in  
11 accordance with AS 37.05.315(f) to the following unincorporated communities  
12 for the purposes and in the amounts set out after each:

13	(1) Alatna generator	36,000
14	(2) Arctic Village generator	26,400
15	(3) Chalkyitsik electrification	103,000
16	(4) Circle electrification	81,700
17	(5) Dot Lake generator	12,000
18	(6) Kongiganak electrification	135,000
19	(7) Kwigillingok electrification	120,000
20	(8) Levelock electrification	450,000
21	(9) Perryville electrification	145,000
22	(10) Pilot Point electrification	450,000
23	(11) Tatitlek generator	70,000
24	(12) Tuntutuliak electrification	250,000

25 \* Sec. 35. The sum of \$400,000 is appropriated from the general fund to  
26 the Department of Community and Regional Affairs for payment as a grant in  
27 accordance with AS 37.05.315 to the Kuskokwim Native Association for elec-  
28 trification of Chuathbaluk, Crooked Creek, Sleetmute, and Stony River.

29 \* Sec. 36. The sum of \$1,708,000 is appropriated from the general fund

1 to the Department of Community and Regional Affairs for payment as a grant  
2 in accordance with AS 37.05.315 to the Mauneluk Association for energy  
3 conservation systems in Ambler, Deering, Kiana, Kivalina, Kobuk, Noatak,  
4 Noorvik, Selawik, and Shungnak.

5 \* Sec. 37. The sum of \$100,000 is appropriated from the general fund to  
6 the Department of Natural Resources for a coal resource investigation on  
7 Saint Lawrence Island.

8 \* Sec. 38. The sum of \$1,300,000 is appropriated from the general fund  
9 to the Department of Natural Resources for phases III and IV of the North-  
10 west Alaska Coal Resources Investigation, including reconnaissance drilling  
11 at the Chicago Creek, Point Hope, Point Lay, and Kiana (Kobuk River) areas.

12 \* Sec. 39. The sum of \$5,000,000 is appropriated from the general fund  
13 to the Department of Natural Resources, division of geological and geo-  
14 physical surveys, for geothermal well drilling at Unalaska.

15 \* Sec. 40. The sum of \$550,000 is appropriated from the general fund to  
16 the Department of Transportation and Public Facilities for installation of  
17 coal-fired heating systems in the Railbelt regional educational attendance  
18 area schools.

19 \* Sec. 41. The sum of \$250,000 is appropriated from the general fund to  
20 the Office of the Governor for the fuel emergency fund (AS 44.19.052).

21 \* Sec. 42. The sum of \$350,000 is appropriated from the general fund to  
22 the University of Alaska for energy conservation improvements.

23 \* Sec. 43. The sum of \$150,000 is appropriated from the general fund to  
24 the University of Alaska for upper division and graduate course curriculum  
25 development for energy courses and energy-related studies.

26 \* Sec. 44. The sum of \$200,000 is appropriated from the general fund to  
27 the University of Alaska, division of community colleges and rural educa-  
28 tion, for development of energy studies within community college curricula.

29 \* Sec. 45. The sum of \$200,000 is appropriated from the general fund to

1 the University of Alaska, division of community colleges and rural education,  
2 for vocational and job training programs related to renewable energy and  
3 energy conservation.

4 \* Sec. 46. The sum of \$200,000 is appropriated from the general fund to  
5 the University of Alaska, energy alternatives program (School of Agriculture  
6 and Land Resources Management) for teacher training and curriculum develop-  
7 ment and for television programming relating to energy-related subjects in  
8 elementary and secondary school curricula.

9 \* Sec. 47. The sum of \$1,664,650 is appropriated from the general fund  
10 to the Alaska Energy Center for a grant to the Fairbanks North Star Borough  
11 for the following purposes:

12	solar collector retrofit,	
13	phase I	\$ 404,000
14	waste heat greenhouses	1,260,650

15 \* Sec. 48. The sum of \$6,400,000 is appropriated from the general fund  
16 to the Alaska Energy Center for research, development, and demonstration  
17 projects under AS 37.25.030.

18 \* Sec. 49. The sum of \$1,500,000 is appropriated from the general fund  
19 to the Alaska Energy Center for an economic feasibility study and precon-  
20 struction costs for a plant in southcentral Alaska which uses developed  
21 technology to process peat for fuel for export and domestic use.

22 \* Sec. 50. The sum of \$75,000 is appropriated from the general fund to  
23 the Alaska Energy Center for a grant to the Fairbanks North Star Borough for  
24 a solar energy system for the Mary Siah Recreation Center.

25 \* Sec. 51. The sum of \$4,030,000 is appropriated from the general fund  
26 to the Alaska Energy Center for the following feasibility studies relating  
27 to energy projects of the center:

28	(1) Angoon tidal power project	500,000
29	(2) Kodiak waste heat cogeneration project	2,500,000

1	(3) Kotzebue district heating and	
2	power feasibility and design	120,000
3	(4) Kotzebue coal utilization study	100,000
4	(5) Mary's Igloo -- design of an energy	
5	efficient community in conjunction with	
6	relocation	50,000
7	(6) Ouzinkie waste heat project	700,000
8	(7) Port Alexander wind project	30,000
9	(8) Saint Mary's waste heat and district	
10	heating study	30,000

11 \* Sec. 52. The sum of \$1,340,000 is appropriated from the general fund  
 12 to the Alaska Energy Center for the following projects:

13	(1) Holy Cross wind project	40,000
14	(2) Kotzebue wind generator	200,000
15	(3) Pilgrim Hot Springs geothermal project	700,000
16	(4) Sheldon Point wind project	300,000
17	(5) Skagway construction of wind	
18	generating system	100,000

19 \* Sec. 53. The sum of \$400,000 is appropriated from the general fund to  
 20 the Alaska Energy Center for the Bering Straits wind project, including  
 21 design and construction of wind energy systems in Golovin, Shishmaref,  
 22 Teller, and White Mountain, and planning for project expansion to Brevig  
 23 Mission, Buckland, Diomedede, Savoonga, and Wales.

24 \* Sec. 54. The sum of \$300,000 is appropriated from the general fund to  
 25 the Legislative Council for the Joint Gas Pipeline Committee for a study of  
 26 alternative methods of transporting Prudhoe Bay natural gas to market.

27 \* Sec. 55. The sum of \$150,000 is appropriated from the general fund to  
 28 the Legislative Council for a study of alternatives for consolidating or  
 29 coordinating state agencies and state agency programs relating to energy.

1 \* Sec. 56. The sum of \$600,000 is appropriated from the general fund to  
2 the Legislative Council for the House Special Committee on Coal for a feasi-  
3 bility study on site selection and rail and road connections for a major  
4 coal export facility.

5 \* Sec. 57. Section 1(1), ch. 54, SLA 1980 is repealed.

6 \* Sec. 58. Sections 1 - 11 and 27 - 32 of this Act take effect on the  
7 effective date of a version of Senate Bill No. 25 entitled "An Act relating  
8 to energy; and providing for an effective date.", in which the maximum  
9 interest rate on loans from the power project fund (AS 44.83.170) is set at  
10 alternative rates of three percent or six percent, and in which an energy  
11 conservation and management program is established in the Department of  
12 Commerce and Economic Development.

13 \* Sec. 59. Sections 12 - 26 and 33 - 57 of this Act take effect immedi-  
14 ately in accordance with AS 01.10.070(c).

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Original sponsors: Kerttula, Ziegler,  
Ferguson, et al

Funding Information

General Fund	\$559,344,550
Other Funds	-0-
	<u>\$559,344,550</u>

1 IN THE SENATE BY THE FINANCE COMMITTEE

2 HOUSE CS FOR CS FOR SENATE BILL NO. 26 (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 to various state agencies  
7 for energy-related programs and projects, and repealing  
8 a 1980 appropriation for a power project; and pro-  
9 viding for an effective date."

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

11 \* Section 1. The sum of \$265,900,000 is appropriated from the general  
12 fund to the power development fund of the Alaska Power Authority (AS 44.83.-  
13 400 - 44.83.510) for the following projects in the amounts specified after  
14 each:

- |    |                   |              |
|----|-------------------|--------------|
| 15 | (1) Bradley Lake  | \$40,000,000 |
| 16 | (2) Port Lions    | 1,400,000    |
| 17 | (3) Solomon Gulch | 45,000,000   |
| 18 | (4) Swan Lake     | 53,000,000   |
| 19 | (5) Terror Lake   | 81,500,000   |
| 20 | (6) Tyee Lake     | 45,000,000   |

21 \* Sec. 2. The sum of \$76,000,000 is appropriated from the general fund  
22 to the power development fund of the Alaska Power Authority (AS 44.83.400 -  
23 44.83.510) for acquisition of a right-of-way for and design and construction  
24 of a high voltage electrical transmission system connecting Anchorage and  
25 Fairbanks.

26 \* Sec. 3. The sum of \$750,000 is appropriated from the general fund to  
27 the power development fund of the Alaska Power Authority (AS 44.83.400 -  
28 44.83.510) for acquisition of a right-of-way for and design and construction  
29 of an electrical transmission system connecting Craig and Klawock.

1 \* Sec. 4. The sum of \$200,000 is appropriated from the general fund to  
 2 the power development fund of the Alaska Power Authority (AS 44.83.400 -  
 3 44.83.510) for construction of a single wire ground return transmission line  
 4 between Kobuk and Shungnak.

5 \* Sec. 5. The sum of \$3,250,000 is appropriated from the general fund to  
 6 the power development fund of the Alaska Power Authority (AS 44.83.400 -  
 7 44.83.510) for phase I of a transmission line between Barrow and Atkasook.

8 \* Sec. 6. The sum of \$60,618,000 is appropriated from the general fund  
 9 to the power development fund of the Alaska Power Authority (AS 44.83.400 -  
 10 44.83.510) for a loan to the City and Borough of Sitka for completion of the  
 11 Green Lake hydroelectric project, to defease or to provide for the payment  
 12 of debt service on revenue bonds issued by the City and Borough of Sitka for  
 13 the Green Lake hydroelectric project, and for other costs incidental to the  
 14 Green Lake hydroelectric project.

15 \* Sec. 7. The sum of \$36,900,000 is appropriated from the general fund  
 16 to the Alaska Power Authority for feasibility studies, preconstruction  
 17 design, and engineering, to be allocated to the following proposed power  
 18 projects:

19	(1) Black Bear Lake	2,000,000
20	(2) Chester Lake	1,000,000
21	(3) Chakachamna Lake	1,000,000
22	(4) Grant Lake	1,000,000
23	(5) Bethel regional study/Kisaralik	1,000,000
24	(6) Power Creek	700,000
25	(7) Snettisham (Crater Lakes)	4,500,000
26	(8) Susitna	18,100,000
27	(9) Tazimina Lake	2,000,000
28	(10) Rural community feasibility studies: Akhiok,	
29	Ambler, Angoon, Atka, Chignik, Chignik	

1 Lagoon, Chignik Lake, Chuathbaluk, Cold Bay,  
2 Elim, False Pass, Goodnews Bay, Grayling,  
3 Gustavus, Ivanoff Bay, Kaltag, Karluk,  
4 Kiana, King Cove, Larsen Bay, Nikolski,  
5 Old Harbor, Perryville, Scammon Bay,  
6 Shungnak, Tenakee Springs, Togiak,  
7 Unalaska 5,600,000

8 \* Sec. 8. The sum of \$560,000 is appropriated from the general fund to  
9 the Alaska Power Authority for reconnaissance studies for proposed energy  
10 project sites for the following rural communities: Alatna, Aniak, Atkasook,  
11 Brevig Mission, Chefnak, Craig, Diomede, Galena, Golovin, Hooper Bay,  
12 Kalskag, Kotlik, Koyuk, Lower Kalskag, Mekoryuk, New Chenega, Newtok,  
13 Nightmute, Ouzinkie, Ruby, Saint George, Saint Mary's, Saint Michael, Saint  
14 Paul, Shageluk, Shishmaref, Stebbins, Teller, Toksook Bay, Tununak,  
15 Unalakleet, and Yakutat.

16 \* Sec. 9. The sum of \$996,000 is appropriated from the general fund to  
17 the Alaska Power Authority for a feasibility study examining design and  
18 construction of an electrical transmission system between Hoonah and Juneau.

19 \* Sec. 10. The sum of \$42,000 is appropriated from the general fund to  
20 the Alaska Power Authority for a feasibility study regarding improvements to  
21 hydroelectric facilities for Pelican.

22 \* Sec. 11. The sum of \$4,500,000 is appropriated from the general fund  
23 to the Alaska Power Authority for design and engineering for the Lake Elva  
24 hydroelectric project.

25 \* Sec. 12. The sum of \$50,000 is appropriated from the general fund to  
26 the Alaska Power Authority for a feasibility study relating to reactivation  
27 of an abandoned hydroelectric site at Chitina.

28 \* Sec. 13. The sum of \$440,000 is appropriated from the general fund to  
29 the Alaska Power Authority for a feasibility study of the Fairbanks district

1 heating extension.

2 \* Sec. 14. The sum of \$1,400,000 is appropriated from the general fund  
3 to the Alaska Power Authority for a feasibility study and for advanced  
4 design and engineering of an electrical transmission system between Valdez  
5 and Cordova, and for a feasibility study and advanced design and engineering  
6 of an electrical transmission system between Valdez and Cordova, and for a  
7 feasibility study and advanced design and engineering of small-scale hydro-  
8 electric sites along the route of the transmission system.

9 \* Sec. 15. The sum of \$600,000 is appropriated from the general fund to  
10 the Alaska Power Authority for a feasibility study of a coal-fired power  
11 plant for Cordova.

12 \* Sec. 16. The sum of \$4,000,000 is appropriated from the general fund  
13 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
14 loan to the City of Fairbanks for district heating.

15 \* Sec. 17. The sum of \$4,000,000 is appropriated from the general fund  
16 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
17 loan to Alaska Electric Light and Power Company for construction of trans-  
18 mission and distribution facilities.

19 \* Sec. 18. The sum of \$3,000,000 is appropriated from the general fund  
20 to the power project fund of the Alaska Power Authority (AS 44.83.170) for a  
21 loan to Alaska Electric Light and Power Company for rehabilitation of Salmon  
22 Creek II.

23 \* Sec. 19. The sum of \$10,000,000 is appropriated from the general fund  
24 to the power project fund of the Alaska Power Authority (AS 44.83.170) for  
25 rural electrification loans.

26 \* Sec. 20. The sum of \$8,000,000 is appropriated from the general fund  
27 to the Alaska Power Authority for the power production cost assistance fund  
28 (AS 44.83.162).

29 \* Sec. 21. The sum of \$125,000 is appropriated from the general fund to

1 the Alaska Power Authority as grants/ for waste heat projects in Crooked  
2 Creek and Chuathbaluk.

3 \* Sec. 22. The sum of \$150,000 is appropriated from the general fund to  
4 the Alaska Power Authority as a grant for a waste heat project at McGrath.

5 \* Sec. 23. The sum of \$380,000 is appropriated from the general fund to  
6 the Alaska Power Authority as a grant for design and construction of a waste  
7 heat project at Unalaska.

8 \* Sec. 24. The sum of \$961,000 is appropriated from the general fund to  
9 the Alaska Power Authority as a grant for an electrical transmission system  
10 at Nondalton.

11 \* Sec. 25. The sum of \$5,000,000 is appropriated from the general fund  
12 to the Alaska Power Authority for geothermal well drilling at Unalaska.

13 \* Sec. 26. The sum of \$4,245,300 is appropriated from the general fund  
14 to the Department of Administration for payment as grants in accordance with  
15 AS 37.05.315 to the following cities for the purposes and in the amounts set  
16 out after each:

17	(1) Allakaket generator	12,600
18	(2) Atmautluak electrification	625,000
19	(3) Diomede electrification	106,000
20	(4) Ekwok generator	25,000
21	(5) Golovin electrification	225,200
22	(6) Hooper Bay generator	34,000
23	(7) Kotlik electrification	65,000
24	(8) Napaskiak electrification	215,000
25	(9) Newhalen generators and electrification	730,000
26	(10) Newtok electrification	190,000
27	(11) Nome electric utility facilities upgrade	943,000
28	(12) Ruby electrification	73,000
29	(13) Russian Mission generator	30,000

1	(14) Shaktoolik power lines/	53,500
2	(15) Tuluksak electrification	148,000
3	(16) Unalaska electrification	600,000
4	(17) White Mountain electrification	170,000

5 \* Sec. 27. The sum of \$12,000,000 is appropriated from the general fund  
6 to the Department of Commerce and Economic Development, division of energy  
7 and power development, for energy conservation assistance and weatheri-  
8 zation.

9 \* Sec. 28. The sum of \$2,050,000 is appropriated from the general fund  
10 to the Department of Commerce and Economic Development, division of energy  
11 and power development, for energy planning, to be allocated as follows:

12	preparation of state energy plan	\$700,000
13	regional energy planning under contract	
14	with nonprofit corporations	600,000
15	energy emergency contingency planning	150,000
16	municipal energy management and	
17	planning contracts	600,000

18 \* Sec. 29. The sum of \$250,000 is appropriated from the general fund to  
19 the Department of Commerce and Economic Development, division of energy and  
20 power development, for energy activities as follows:

21	state-federal liaison	\$125,000
22	energy information	125,000

23 \* Sec. 30. The sum of \$10,000,000 is appropriated from the general fund  
24 to the Department of Commerce and Economic Development, division of energy  
25 and power development, for energy conservation refunds, grants, and residen-  
26 tial energy audits.

27 \* Sec. 31. The sum of \$15,000,000 is appropriated from the general fund  
28 to the Department of Commerce and Economic Development, division of small  
29 business loans, for alternative energy and energy conservation loan programs.

1 \* Sec. 32. The sum of \$2,430,500 is appropriated from the general fund  
 2 to the Department of Commerce and Economic Development, division of energy  
 3 and power development, for a grant to the Fairbanks North Star Borough for  
 4 phase I of an energy management program.

5 \* Sec. 33. The sum of \$2,400,000 is appropriated from the general fund  
 6 to the Department of Community and Regional Affairs for the bulk fuel storage  
 7 facilities grant fund (AS 44.47.145).

8 \* Sec. 34. The sum of \$1,879,100 is appropriated from the general fund  
 9 to the Department of Community and Regional Affairs for payment as grants in  
 10 accordance with AS 37.05.315(f) to the following unincorporated communities  
 11 for the purposes and in the amounts set out after each:

12	(1) Alatna generator	36,000
13	(2) Arctic Village generator	26,400
14	(3) Chalkyitsik electrification	103,000
15	(4) Circle electrification	81,700
16	(5) Dot Lake generator	12,000
17	(6) Kongiganak electrification	135,000
18	(7) Kwigillingok electrification	120,000
19	(8) Levelock electrification	450,000
20	(9) Perryville electrification	145,000
21	(10) Pilot Point electrification	450,000
22	(11) Tatitlek generator	70,000
23	(12) Tuntutuliak electrification	250,000

24 \* Sec. 35. The sum of \$400,000 is appropriated from the general fund to  
 25 the Department of Community and Regional Affairs for payment as a grant in  
 26 accordance with AS 37.05.315 to the Kuskokwim Native Association for electri-  
 27 fication of Chuathbaluk, Crooked Creek, Sleetmute, and Stony River.

28 \* Sec. 36. The sum of \$1,708,000 is appropriated from the general fund  
 29 to the Department of Community and Regional Affairs for payment as a grant

1 in accordance with AS 37.05.315 to the Mauneluk Association for energy  
2 conservation systems in Ambler, Deering, Kiana, Kivalina, Kobuk, Noatak,  
3 Noorvik, Selawik, and Shungnak.

4 \* Sec. 37. The sum of \$100,000 is appropriated from the general fund to  
5 the Department of Natural Resources for a coal resource investigation on  
6 Saint Lawrence Island.

7 \* Sec. 38. The sum of \$1,300,000 is appropriated from the general fund  
8 to the Department of Natural Resources for a northwest Alaska coal resources  
9 investigation.

10 \* Sec. 39. The sum of \$550,000 is appropriated from the general fund to  
11 the Department of Transportation and Public Facilities for installation of  
12 coal-fired heating systems in the schools of the Railbelt and Delta-Greely  
13 regional educational attendance areas.

14 \* Sec. 40. The sum of \$250,000 is appropriated from the general fund to  
15 the Office of the Governor for the fuel emergency fund (AS 44.19.052).

16 \* Sec. 41. The sum of \$350,000 is appropriated from the general fund to  
17 the University of Alaska for energy conservation improvements.

18 \* Sec. 42. The sum of \$150,000 is appropriated from the general fund to  
19 the University of Alaska for upper division and graduate course curriculum  
20 development for energy courses and energy-related studies.

21 \* Sec. 43. The sum of \$200,000 is appropriated from the general fund to  
22 the University of Alaska, division of community colleges and rural education,  
23 for development of energy studies within community college curricula.

24 \* Sec. 44. The sum of \$200,000 is appropriated from the general fund to  
25 the University of Alaska, division of community colleges and rural education,  
26 for vocational and job training programs related to renewable energy and  
27 energy conservation.

28 \* Sec. 45. The sum of \$200,000 is appropriated from the general fund to  
29 the University of Alaska, energy alternatives program (School of Agriculture