

**ALASKA LEGISLATURE**

**2111**

**HOUSE and SENATE FINANCE COMMITTEE FILES, 1999 - 2000**

*2167*



## **Rural Families Can't Afford Full Cost**

- ◆ **Typical household income half of urban income**
- ◆ **18 percent of families below poverty line**
- ◆ **Majority of elders on fixed incomes**



## **Original Purpose of PCE**

- ◆ **Equalize electricity rates between rural and urban areas**
- ◆ **Direct assistance most effective to make power affordable**

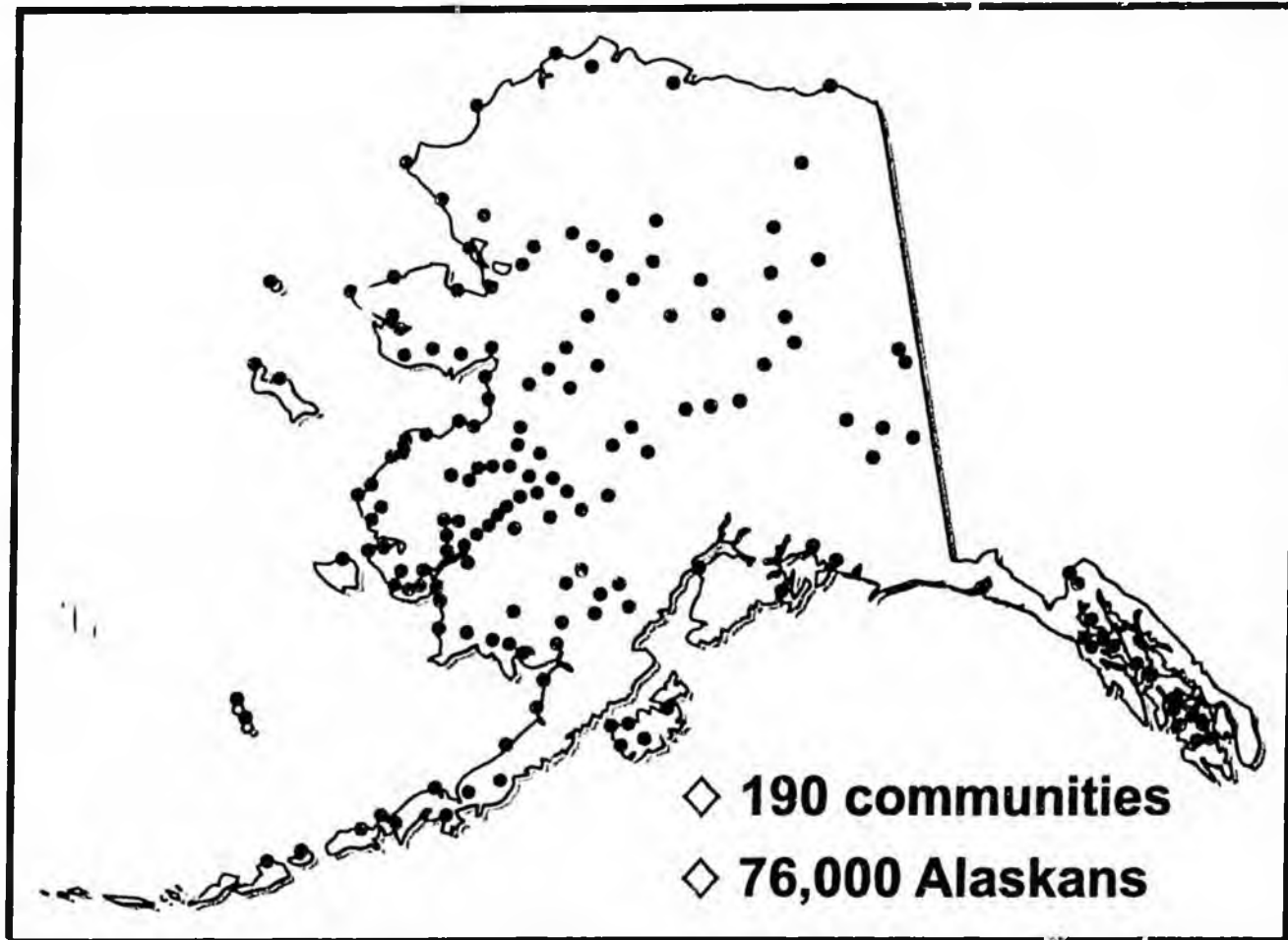


## **PCE is Working**

- ◆ **Does NOT equalize rates**
  - ▶ Rural residents pay 2x urban rates AFTER PCE
- ◆ **DOES make power more affordable**
- ◆ **DOES help assure electric service**



## Program Benefits Many Alaskans





## **Program Process**

- ◆ **APUC sets rate based on allowable costs**
- ◆ **Utilities apply rate and provide credit on consumer bills**
- ◆ **Division of Energy reimburses utilities**



## **Current Formula**

- ◆ **Pays 95% of legitimate costs between a floor and a ceiling for basic level of electric service**
  - ▶ **Floor - 9.7 cents**
  - ▶ **Ceiling - 52.5 cents**
  
- ◆ **First 700 kwh per month eligible for residential and commercial**
  
- ◆ **First 70 kwh per capita per month eligible for community facilities**



## **Most Electricity Sold at Full Rate**

- ◆ PCE assists on only 38% of electricity sold
- ◆ Annual electricity sold in 190 PCE communities = electricity sold by Chugach Electric Association *in six hours.*



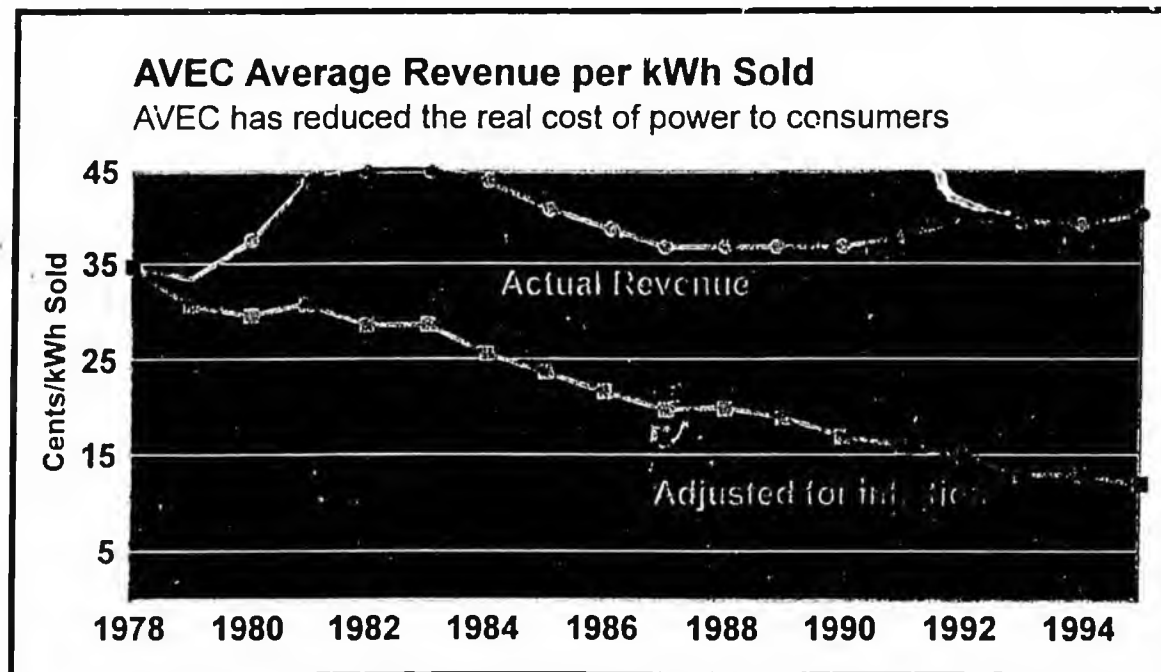
## **PCE Helps Utilities Reduce Rates**

- ◆ **Affordable power = more use = better economies of scale**
- ◆ **Stable revenue provides leverage for financing improvements**
- ◆ **PCE helps make possible innovation risks to lower costs**



## Real Costs Have Decreased

- ◆ Operating costs have dropped 30% when inflation is considered
- ◆ AVEC (serving 51 villages) has decreased rates by more than 50%



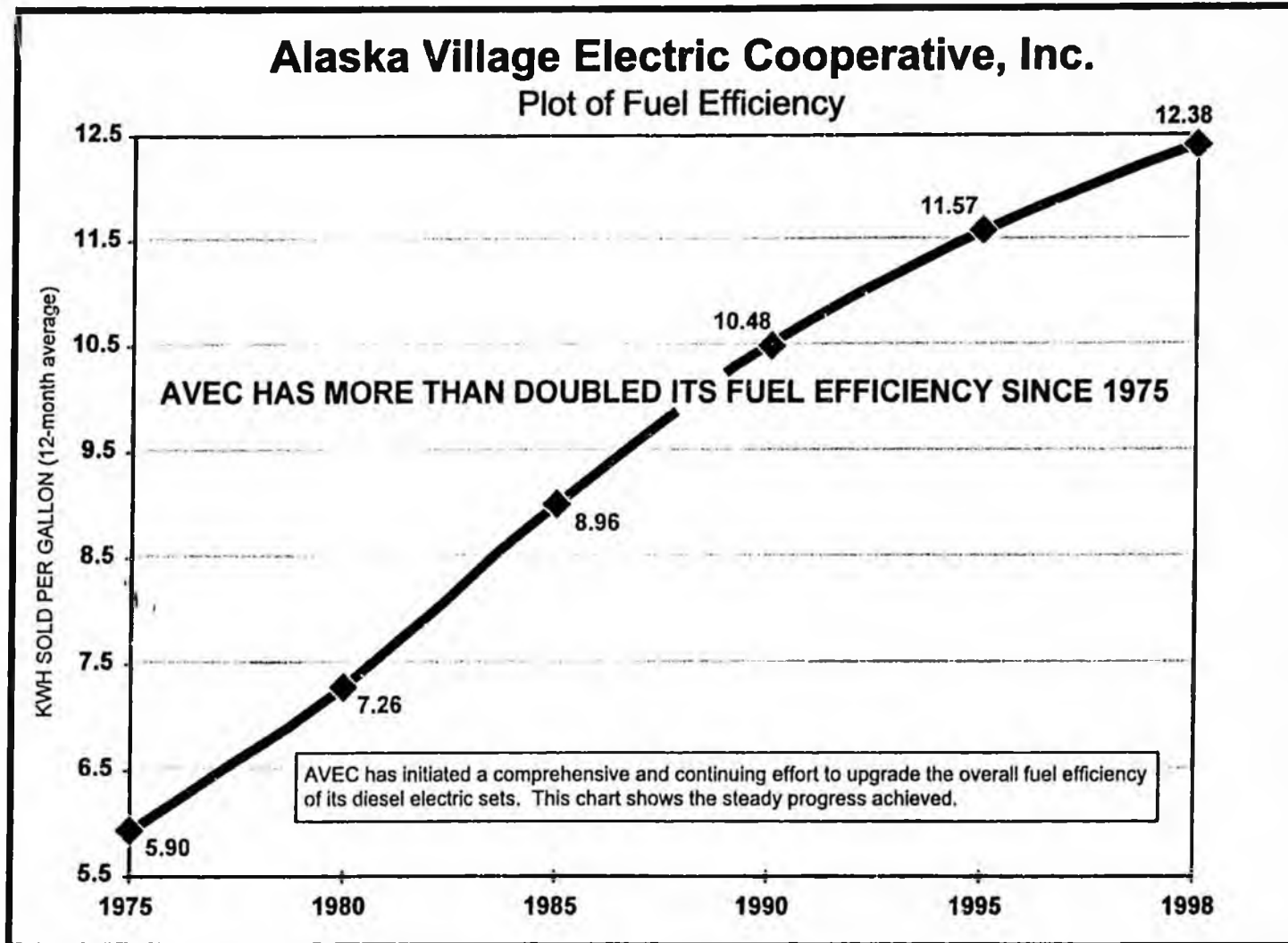


## **Utilities are Aggressively Seeking Alternatives**

- ◆ **Wind energy**
- ◆ **Microturbines**
- ◆ **Fuel cells**
- ◆ **Shallow natural gas**
- ◆ **Hydroelectric alternatives to diesel**
- ◆ **Alternatives take time and money to develop into cost-effective tools**
- ◆ **In many communities, there is no good alternative to diesel**



# AVEC & Others Improving Diesel Efficiency





## **Government's Interest**

- ◆ **Makes economic development possible**
- ◆ **Makes basic services affordable for rural families**
- ◆ **Assists utilities in lowering the cost of electricity**
- ◆ **Keeps costs down for government agencies**



## **PCE Funding**

- ◆ **Total Expenditures since FY85 - \$227 million**
- ◆ **Average - \$17.5 million per year**
- ◆ **\$22 million needed to fully fund program formula**



## **A Crisis Looms if PCE Ends**

### **◆ ISER predicts:**

- ▶ Rate shock would cause reduced consumer use of electricity**
- ▶ Lower sales would force utilities to raise rates to cover fixed costs**
- ▶ As cycle continues up to half of the utilities may fail.**



## **Blue Ribbon Panel Recommendations**

- 1. Extend PCE into the future.**
- 2. Rate support available only for:**
  - ▶ **Maximum of 1/2 the statewide average consumption on a monthly basis**
  - ▶ **Community facilities directly related to public health**
  - ▶ **Universal Service Fund**
- 3. Establish standards for rural utilities -  
Management Co-op Concept**





*"A Commitment to Affordable  
Electric Service for a Healthy  
Rural Alaska"*

# Fax

To: Mary Jackson c/o Senator John Torgerson

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Fax: 1-907-465-4779

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Pages: 4

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Phone:

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Date: 4-22-99

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Re: Investments in the PCE Fund

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CC:

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Urgent

For Review

Please Comment

Please Reply

FYI

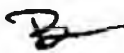
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• **Comments:**

Mary,

A concept and discussion draft. This is at the very early stages of discussion. Let me know what you think.

Bruce Kovarik



4300 Boniface Parkway, Anchorage, AK 99504 (907) 338-3970 (907) 338-4904 FAX

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net)

internet home page: <http://www.alaska.net/~aaha>

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**[Concept & Discussion Draft prepared by Bruce Kovarik, Executive Director , Association of Alaska Housing Authorities – The proposal has not been adopted or approved by the Alaska Regional Authorities or the Board of Directors of the Association of Alaska Housing Authorities – 4-22-99]**

## **Association of Alaska Housing Authorities**

### **Investment in Support of the PCE Fund**

#### **Purpose and Background:**

**Alaska's Regional Housing Authorities (RHAs) are public corporations established by Alaska Statute (AS 18.55.996) and which have developed and operated decent, safe, sanitary and affordable housing programs throughout the State for over 25 years. Currently, about 7,000 households participate and benefit from their housing programs.**

**The vast majority of those households also benefit from Alaska's Power Cost Equalization Program (PCE) which contributes to the "affordable" element of the RHAs housing programs. The elimination or significant reduction of PCE is likely to impact these affordable housing programs adversely. Consequently, the RHAs, through the Association of Alaska Housing Authorities (AAHA), support the continuation of financial assistance, through the PCE program, for residential and community power consumers in rural Alaska.**

**On October 26, 1996, President Clinton signed into law the Native American Housing Assistance and Self Determination Act of 1996 (NAHASDA) which dramatically changes federal housing programs for American Indians and Alaska Natives. One of the most important changes is the ability of recipients of the Indian Housing Block Grants to receive advances of these funds and to invest them with the proceeds of investments to be used for additional affordable housing activities. For FY99 the Indian Housing Block Grants for Alaska total about \$101.6 million. Final regulations and internal policies of HUD which regulate the investment process were finalized in early 1999.**

**Reluctantly, and only with the eminent elimination or major reduction of the PCE program at hand, the RHAs would be willing to invest NAHASDA in the PCE Trust and forego the investment income which would be otherwise available for affordable housing activities for families in their respective regions.**

**Investment Plan:**

To allow for the participation and investment in the PCE Fund by the Regional Housing Authorities, other federal housing grant recipients, and other interested organizations & institutions.

**Plan components & conditions:**

- Participation in the plan assumes that the PCE program will continue to benefit rural residential and community electric consumers; that the State will vigorously pursue full funding of the endowment for the PCE Fund and that the goal of the program remains to place rural and urban consumers on a par for the cost of electric power.
- Participation in the investment plan is voluntary and flexible. The RHAs must have swift and easy access to their investments as their cash requirements and investment strategies demand.
- The PCE Trust Fund must be acceptable to HUD as an investment vehicle in accordance with federal law and regulations governing NAHASDA.
- Performance of the PCE Fund and the RHA investments are principally linked to residential and community electric power rates and does not replace State or other participation in the fund. (The better the Fund performs, the lower the rural rates).

**Progressive Investments:**

An estimate of optimal investment in the PCE Trust is based on the progressive availability of advanced federal funds to invest, based on federal regulations:

For FFY98 & FFY99 -	50% of NAHASDA funds	\$38 million/yr.
For FFY00	75% of NAHASDA funds	\$57 million
For FFY01 & thereafter	100% of NAHASDA funds	\$76 million

FFY98 & FFY99 funds are now available and will be fully-allocated by 9/30/99. FFY00 funds should be available about 1/1/00.

## **Investment & Return**

**Assuming full participation, an optimistic, but achievable, schedule for RHA cumulative investments in the PCE Fund:**

<b>Oct 01, 1999</b>	<b>\$25 Million</b>
<b>Jan 31, 2000</b>	<b>\$40 Million</b>
<b>Jul 01, 2000</b>	<b>\$80 Million</b>

**At a realized rate of return estimated by the PCE Fund of 6.0%, annual income from the RHA's participation will average \$4.8 million for FY01 and beyond. This annual income compares fairly with the percentage of RHA housing units compared with an estimate of families benefiting from the PCE Fund.**

$$7,000/25,000 = 28\%$$

$$\$17,000,000 \times 28\% = \$4,760,000$$

**[Concept & Discussion Draft prepared by Bruce Kovarik, Executive Director, Association of Alaska Housing Authorities – The proposal has not been adopted or approved by the Alaska Regional Authorities or the Board of Directors of the Association of Alaska Housing Authorities – 4-22-99]**

# Fax

**To:** Mary Jackson c/o Senator John Torgerson

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**Fax:** 1-907-465-4779

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**Pages:** 3

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**Phone:**

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**Date:** 4-23-99

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**Re:** Investments in the PCE Fund

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**CC:**

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**Urgent**

**For Review**

**Please Comment**

**Please Reply**

**FYI**

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**• Comments:**

Mary,

A copy of correspondence with Lamar Cotton to give some clarity (hopefully) to our plan. Also a request for specific information about the PCE fund that I can pass on to HUD. Thanks for your help.

Bruce Kovarik

4300 Boniface Parkway, Anchorage, AK 99504 (907) 338-3970 (907) 338-4904 FAX

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net)

internet home page: <http://www.alaska.net/~aaha>

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# ASSOCIATION OF ALASKA HOUSING AUTHORITIES

4300 Boniface Parkway • Anchorage, AK 99504

Phone (907) 338-3970 • Fax (907) 338-4904

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net) Home Page: <http://www.alaska.net/~aaha>

April 23, 1999

*Alaska Housing  
Planner Corporation*

*Alutian  
Housing Authority*

*Association of Village  
Council Presidents Regional  
Housing Authority*

*Barrow Island  
Housing Authority*

*Bering Straits Regional  
Housing Authority*

*Bristol Bay  
Housing Authority*

*Cook Inlet  
Housing Authority*

*Copper River Basin  
Regional Housing Authority*

*Interior Regional  
Housing Authority*

*Kodiak Island  
Housing Authority*

*Methuena  
Housing Authority*

*North Pacific Rim  
Housing Authority*

*Northwest Inupiat  
Housing Authority*

*Togiavimiala  
Nunavut (TNHA)*

*Tongva-Haida Regional  
Housing Authority*

Lamar Cotten, Deputy Commissioner  
Alaska Department of Community & Regional Affairs  
P.O. Box 112100  
Juneau, AK 99811-2100

Re: Power Cost Equalization

Dear Lamar,

Following up on this morning's conversation, here are some ideas on the mechanics of the Regional Housing Authorities' participation and support for the PCE program.

The most important ingredient in the plan is the "PCE Fund". Whether the existing system will work or a new "fund" is required depends on how well the RHA needs can be met:

- The "fund" must be able to segregate principle and earnings.
- The "fund" must be able to accept transfers of principle as investments from the RHAs, utilities, public corporations, and others (how about PERS??). (To avoid misunderstanding, I am not using the word contribution.) Those investments must be liquid and flexible so that transfers in and out of the fund by the RHAs can be done easily and quickly (one day is the federal standard for liquidity).
- The "fund" must pass muster as an acceptable investment for federal funds. Guidelines for those requirements are included in HUD's PIH 96-33 as Attachment A: "HUD Approved Investment Instruments".

The dates of availability of NAHASDA funds to the RHAs depends upon their individual fiscal year. We have RHAs with fiscal year ends in Sep, Dec, and Mar. Transfers into the "fund" are likely to be made around these times and transfers out of the fund will be made throughout the year. The AAHA plan estimates an average invested balance of \$80 million after the first year or so of implementation. There will be a start-up period and we expect that less than

\$4.8 million can be earned for FY00. Based on the progressive availability of NAHASDA funds for investments, I estimate that \$1.5 million will be a reasonable target for the first year ending June 30, 2000.

Earnings from the investment of these funds are available to support the PCE program. I expect that the "fund" is administered by the State of Alaska, although a bank or other financial institution with "trust" expertise might be a reasonable approach. The most important criteria for the administration of the "fund" is the safety of the investment.

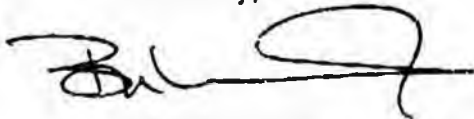
The best approach to the program that I can envision is an incentive-driven arrangement with all of the sources of funding for PCE. To the extent that the RHA investment exceeds estimates or performance of the fund increases earnings, a greater benefit will be available to rural residential customers.

We expect that if approved and implemented, this plan would have a "bandwagon" effect with other federal, state, and quasi-public sources jumping on. An important expectation from us is that this effort is supported by a commitment from the State to continue the program, to permanently endow the fund, and to continue to seek parity between urban and rural ratepayers.

These are some additional thoughts about our plan on a pleasant Friday afternoon. As you need additional information, please contact me. I will be in Bethel next Tuesday through Thursday, but available by voice-mail or e-mail. I will benefit by receiving from the Department as much detail about the PCE fund as seems relevant for our needs. To facilitate moving this plan along, I intend to seek a direct determination from HUD that investments in the Alaska PCE fund are acceptable for NAHASDA funds. Your help will be appreciated.

Have a good weekend. I am available either at this office or my home phone in Eagle River at 896-7424.

Sincerely,



Bruce Kovarik  
Executive Director

Enclosure - HUD PIH 96-33

Pc: AAHA Members/Executive Directors  
Senator John Targerson  
PCE File  
Chron

**A Fax From The  
Department of Community & Regional Affairs  
Division of Energy**

**Mailing Address:**  
333 West 4th Avenue, Suite 220  
Anchorage, AK 99501-2341

**Physical Address:**  
333 West 4th Avenue, Suite 220  
Anchorage, AK 99501-2341

**Main Telephone Number: (907) 269-4625**

**Director's Fax Number: (907) 269-4645**

**Engineering Fax Number: (907) 269-4685**

Deliver Fax to: Sen. Torgerson's office / Mary Johnson

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

Fax Phone #: 465-4779

Sender: Dick Emerman

Sender's Phone #: 269-4644

# of Pages Sent: 5 (Includes this cover page)

Date Fax Sent: 4/23

**If you don't receive all of this fax, please call the sender  
DIRECTLY at the phone number listed above.**

**SPECIAL INSTRUCTIONS TO FAX RECIPIENT:**

Earlier this morning, you asked me to  
add a "400 cap" case to this spreadsheet.  
Results are attached.

(P.S. This is not part of the material to be provided  
on Monday).

April 23, 1999

**Examples of Impact on Annual Residential Bill  
Hypothetical Households in Bethel and Holy Cross**

- 6 residential customers are profiled on the attached spreadsheet, 3 from Bethel and 3 from Holy Cross (AVEC). In Bethel, average annual usage is higher and rates are lower. A seasonal pattern of usage has been assumed – January usage is twice as high as June and July.
- The utility rates and PCE rates used in the spreadsheet were taken from the FY96 PCE statistical report.
- The spreadsheet calculates the annual amount paid by these consumers net of PCE subsidy under the following sets of assumptions:
  - a. 700 kWh cap; no change to PCE floor.
  - b. 700 kWh cap; floor increased by 3.0 cents.
  - c. 500 kWh cap; no change to PCE floor.
  - d. 500 kWh cap; floor increased by 3.0 cents.
  - e. 400 kWh cap; no change to PCE floor.
  - f. 400 kWh cap; floor increased by 3.0 cents.

The results can be summarized as follows:

**Annual Amount Paid by Consumer  
(i.e. After PCE Subsidy is Deducted)**

	Annual Usage (kWh)	700 Cap Old Floor	700 Cap Higher Floor	500 Cap Old Floor	500 Cap Higher Floor	400 Cap Old Floor	400 Cap Higher Floor
Bethel A	4,000	\$556	\$676	\$556	\$676	567	684
Bethel B	5,000	695	845	709	855	751	893
Bethel C	6,000	836	1,015	890	1,052	954	1,096
Holy Cross D	3,000	513	603	513	603	513	603
Holy Cross E	4,000	684	804	684	804	716	832
Holy Cross F	5,000	855	1,005	895	1,040	1,014	1,146

**Increased Annual Cost to Consumer  
(Relative to Base – 700 Cap and Old Floor)**

	Annual Usage (kWh)	700 Cap Old Floor	700 Cap Higher Floor	500 Cap Old Floor	500 Cap Higher Floor	400 Cap Old Floor	400 Cap Higher Floor
Bethel A	4,000	Base	\$120	\$0	\$120	11	128
Bethel B	5,000	Base	150	14	160	56	188
Bethel C	6,000	Base	179	54	216	118	260
Holy Cross D	3,000	Base	90	0	90	0	90
Holy Cross E	4,000	Base	120	0	120	32	148
Holy Cross F	5,000	Base	150	40	185	159	291

## Examples of Impact on Annual Residential Bill Hypothetical Households in Bethel and Holy Cross

	Bethel	Holy Cross (AVEC)
Utility Rate	23.3	43.6
PCE Rate	9.4	26.5
Effective Rate	13.9	17.1

	% of annual usage	Bethel Total Consumption (kWh)			Holy Cross (AVEC) Total Consumption (kWh)		
		A	B	C	D	E	F
Jan	12.0%	480	600	720	360	480	600
Feb	10.0%	400	500	600	300	400	500
Mar	9.0%	360	450	540	270	360	450
Apr	7.0%	280	350	420	210	280	350
May	7.0%	280	350	420	210	280	350
Jun	6.0%	240	300	360	180	240	300
Jul	6.0%	240	300	360	180	240	300
Aug	7.0%	280	350	420	210	280	350
Sep	7.0%	280	350	420	210	280	350
Oct	9.0%	360	450	540	270	360	450
Nov	9.0%	360	450	540	270	380	450
Dec	11.0%	440	550	660	330	440	550
<b>Total Annual Usage</b>		<b>4000</b>	<b>5000</b>	<b>6000</b>	<b>3000</b>	<b>4000</b>	<b>5000</b>

	Bethel PCE Eligible Consumption (700 kWh monthly cap)			Holy Cross (AVEC) PCE Eligible Consumption (700 kWh monthly cap)		
	A	B	C	D	E	F
Jan	480	600	700	360	480	600
Feb	400	500	600	300	400	500
Mar	360	450	540	270	360	450
Apr	280	350	420	210	280	350
May	280	350	420	210	280	350
Jun	240	300	360	180	240	300
Jul	240	300	360	180	240	300
Aug	280	350	420	210	280	350
Sep	280	350	420	210	280	350
Oct	360	450	540	270	360	450
Nov	360	450	540	270	360	450
Dec	440	550	660	330	440	550

### RESULTS - 700 Cap, No Change to Floor

PCE Eligible Annual Usag	4000	5000	5980	3000	4000	5000
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$376	\$470	\$562	\$795	\$1,060	\$1,325
Annual Pmt by Consumer	\$556	\$695	\$836	\$513	\$684	\$855

### RESULTS - 700 Cap, Floor Increased by 3.0 Cents

PCE Eligible Annual Usag	4000	5000	5980	3000	4000	5000
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$256	\$320	\$383	\$705	\$940	\$1,175
Annual Pmt by Consumer	\$676	\$845	\$1,015	\$603	\$804	\$1,005

## Examples of Impact on Annual Residential Bill Hypothetical Households in Bethel and Holy Cross

	Bethel	Holy Cross (AVEC)
Utility Rate	23.3	43.6
PCE Rate	9.4	26.5
Effective Rate	13.9	17.1

	PCE Eligible Consumption (500 kWh monthly cap)			PCE Eligible Consumption (500 kWh monthly cap)		
	A	B	C	D	E	F
Jan	480	500	500	360	480	500
Feb	400	500	500	300	400	500
Mar	360	450	500	270	360	450
Apr	280	350	420	210	280	350
May	280	350	420	210	280	350
Jun	240	300	360	180	240	300
Jul	240	300	360	180	240	300
Aug	280	350	420	210	280	350
Sep	280	350	420	210	280	350
Oct	360	450	500	270	360	450
Nov	360	450	500	270	360	450
Dec	440	500	500	330	440	500

### RESULTS - 500 Cap, No Change to Floor

PCE Eligible Annual Usag	4000	4850	5400	3000	4000	4850
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$376	\$456	\$508	\$795	\$1,060	\$1,285
Annual Pmt by Consumer	\$556	\$709	\$890	\$513	\$684	\$895

### RESULTS - 500 Cap, Floor Increased by 3.0 Cents

PCE Eligible Annual Usag	4000	4850	5400	3000	4000	4850
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$256	\$310	\$346	\$705	\$940	\$1,140
Annual Pmt by Consumer	\$676	\$855	\$1,052	\$603	\$804	\$1,040

## Examples of Impact on Annual Residential Bill Hypothetical Households in Bethel and Holy Cross

	Bethel	Holy Cross (AVEC)
Utility Rate	23.3	43.6
PCE Rate	9.4	26.5
Effective Rate	13.9	17.1

	PCE Eligible Consumption (400 kWh monthly cap)			PCE Eligible Consumption (400 kWh monthly cap)		
	A	B	C	D	E	F
Jan	400	400	400	360	400	400
Feb	400	400	400	300	400	400
Mar	360	400	400	270	360	400
Apr	280	350	400	210	280	350
May	280	350	400	210	280	350
Jun	240	300	360	180	240	300
Jul	240	300	360	180	240	300
Aug	280	350	400	210	280	350
Sep	280	350	400	210	280	350
Oct	360	400	400	270	360	400
Nov	360	400	400	270	360	400
Dec	400	400	400	330	400	400

### RESULTS - 400 Cap, No Change to Floor

PCE Eligible Annual Usag	3880	4400	4720	3000	3880	4400
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$365	\$414	\$444	\$795	\$1,028	\$1,166
Annual Pmt by Consumer	\$567	\$751	\$954	\$513	\$716	\$1,014

### RESULTS - 400 Cap, Floor Increased by 3.0 Cents

PCE Eligible Annual Usag	3880	4400	4720	3000	3880	4400
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$248	\$282	\$302	\$705	\$912	\$1,034
Annual Pmt by Consumer	\$684	\$883	\$1,096	\$603	\$832	\$1,146

# MEMORANDUM

State of Alaska

Department of Community & Regional Affairs

**TO:** Percy Frisby, Director  
Division of Energy

**DATE:** April 26, 1999

**FROM:** Dick Emerman  
Planner IV

**SUBJECT:** PCE Spreadsheets  
for Senate Finance

Attached are PCE spreadsheets requested last week by Senator Kelly. Both contain identical information except that one is sorted alphabetically by community and the other is sorted by PCE rate, from lowest to highest.

Except in a few cases as noted on the spreadsheets, the data on total and PCE-eligible consumption is for FY98 while the utility rates and PCE rates are current as of April 1999. The data is unpublished and has not been thoroughly verified. However, we did spend several hours looking for, and where possible correcting, entries that appeared questionable, and we also made sure that the totals shown on page 5 of the spreadsheets were close to the amounts that we would expect to see.

The following brief explanations correspond to selected column numbers on the spreadsheets:

Column 9: The PCE rate shown here is not "pro-rated." It represents the full PCE rate that would currently be paid if the program were fully funded.

Column 11: This is the full annual amount that would be paid for each community if PCE were fully funded, given today's PCE rates and FY98 PCE-eligible consumption for all customer classes. As shown on the "Total" line on page 5, the total "PCE formula requirement" would be \$21.9 million.

Column 12: This is the full funding requirement for commercial customers under the present PCE formula. As shown on the "Totals" line, \$2.9 million would be cut from the full formula requirement if commercial customers were removed from PCE eligibility.

Column 14: This is the average monthly consumption for residential customers in each community – including both PCE-eligible usage plus usage that is above the PCE cap and not eligible for PCE subsidy. It is based on kWh sales data and customer counts reported by each utility. As shown on the "Totals" line, the average monthly consumption among all PCE-eligible households is 439 kWh, which suggests gradual growth compared to historical averages.

Column 15: This is the average monthly consumption per household that is PCE-eligible (i.e. that falls within the monthly cap). Across all of the communities, the PCE-eligible consumption is 345 kWh per month.

Column 16: This column shows the annual amount that the average residential customer would receive in PCE subsidy in each community if the PCE formula were fully funded. Some entries look out of line – for example, Chalkyitsik and Chignik Lake both show annual subsidies that are far above the other communities. Their reported kWh consumption figures may be high. In total, however, the average PCE subsidy per household shown on page 5 – \$600 per year – is in line with prior experience.

Column 17: This shows the annual reduction in the PCE "full formula requirement" for each utility if the monthly residential cap were reduced from 700 kWh to 500 kWh. For this case and for the others examined on the spreadsheet, a lower cap does not affect commercial customers based on the assumption that they have already been removed from PCE eligibility.

The estimate is ultimately based on 10-year old research indicating that a cap reduction to 500 kWh would reduce PCE-eligible kWh for residential customers by 10.1% overall. Since total consumption per household has gradually increased over the years, this estimate may be low. Based on that estimate, however, the associated reduction in the annual "formula requirement" would be \$1.5 million.

Column 18: This shows the annual reduction in the PCE subsidy requirement for the average residential customer in each community if the cap is lowered to 500 kWh per month. Across all of the communities, that average reduction is \$62 per year.

Col. 19-20: These columns provide the same information for a cap reduction to 400 kWh per month. The 20.1% factor is derived from the same 10-year old research and may again be somewhat low due to intervening growth in consumption per household.

Col. 21-22: These columns show the impact of increasing the PCE floor by 1.0 cent without changing the monthly residential cap. They assume that commercial customers have already been removed from eligibility. The increase in the floor (and the resulting decrease in the PCE rate) is therefore applied to residential customers and community facilities. The total estimated reduction in the PCE formula requirement is \$1.3 million, and the estimated reduction in the average PCE requirement per residential customer is \$41 per year.

Col. 25-26: These columns show the combined impact of reducing the monthly residential cap to 500 kWh and increasing the PCE floor by 2.0 cents.

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The loss to the utility is calculated by comparing the full formula requirement today for residential and community facility customers with the amount these customers would receive in total if the PCE rate and the monthly residential cap were both cut.

I did not present additional cases and combinations due to limited space on the spreadsheet page. Such cases can be provided in short order on additional spreadsheets – please let me know if there are other variations that you would like to see.

Attachment as stated.

FY98 Unpublished PCE Statistics  
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh	PCE ELIGIBLE kWh				Utility Res Rate Apr 99* (cents)	PCE Rate Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Resid Customer	PCE kWh Per Resid Customer	PCE \$ Per Resid Customer	500 Res Cap Ann Loss To Utility (\$)	500 Res Cap Ann Loss To Ave Res Cust (\$)	400 Res Cap Ann Loss To Utility (\$)	400 Res Cap Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
		Residential	Residential	Commer- cial	Comnty Facets	Total										Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)
KAKTOVIK	76	539,298	368,214	87,487	40,507	496,208	15.0	1.4	13.6	6,798	1,199	5,045	591	404	66	520	7	1,014	13	4,087	48	5,599	66	5,599	66
POINT HOPE	156	1,365,859	902,971	63,375	83,253	1,049,599	15.0	1.4	13.6	14,380	868	12,371	730	482	79	1,274	8	2,487	16	9,862	58	13,511	79	13,511	79
WAINWRIGHT	125	941,812	607,034	118,386	81,702	805,122	15.0	1.4	13.6	11,030	1,594	8,316	628	405	67	857	7	1,672	13	6,887	49	9,436	67	9,436	67
PELICAN	131	1,046,276	346,466	52,007	95,094	493,567	15.1	1.7	13.4	8,193	863	5,751	668	220	44	592	5	1,156	9	4,416	26	7,330	44	7,330	44
THORNE BAY	187	731,925	670,887	144,528	325,065	1,140,480	25.2	2.9	22.3	33,416	4,235	19,657	326	299	105	2,025	11	3,951	21	9,960	36	29,181	105	20,582	75
SKAGWAY*	517	2,821,030	2,021,881	753,448	658,460	3,433,789	15.6	3.1	12.5	106,447	23,357	62,678	455	326	121	6,456	12	12,598	24	26,803	39	80,410	117	55,898	83
UNALASKA	427	3,991,498	2,201,160	505,336	1,994,613	4,701,109	18.6	4.5	14.1	212,020	22,791	99,272	779	430	232	10,225	24	19,954	47	41,958	52	125,873	155	89,606	116
NOME	1,448	8,930,527	6,335,687	783,990	2,042,310	9,161,987	18.6	4.6	14.0	418,703	35,828	289,541	514	365	200	29,823	21	58,198	40	83,780	44	251,340	131	184,331	99
ANAKTUVUK PASS	81	515,536	349,449	76,954	20,880	447,283	15.0	5.1	9.9	22,811	3,925	17,822	530	360	220	1,831	23	3,582	44	3,703	43	11,110	129	0,522	100
ATQASUK	50	408,924	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,485	13,956	682	456	279	1,411	29	2,805	56	3,123	55	9,369	184	7,119	127
NUQSUT	86	645,028	433,971	90,777	59,100	583,848	15.0	5.1	9.9	29,776	4,630	22,133	625	421	257	2,281	27	4,449	52	4,931	50	14,792	151	11,247	117
POINT LAY	52	294,328	246,566	63,083	19,223	328,872	15.0	5.1	9.9	16,772	3,217	12,575	472	395	242	1,295	25	2,528	49	2,658	47	7,974	142	6,103	110
FORT HEIDEN	53	250,848	109,196	31,049	3,322	143,567	30.0	5.3	24.8	7,537	1,630	5,733	394	172	108	590	11	1,152	22	1,125	21	3,376	62	2,616	48
HAINES*	858	4,721,725	3,889,801	916,755	741,307	5,547,863	16.3	6.1	10.2	338,420	55,922	237,278	459	378	277	24,440	28	47,693	56	46,311	45	138,933	136	109,049	110
KING COVE	180	1,099,061	576,053	141,802	383,527	1,101,382	20.2	6.4	13.8	70,709	9,104	36,983	509	267	205	3,809	21	7,434	41	9,596	32	28,787	96	21,814	79
NAKNEK	685	4,303,766	2,995,839	717,825	902,420	4,616,084	20.7	6.9	13.8	316,202	49,171	205,215	524	364	300	21,137	31	41,248	60	38,983	44	116,948	131	82,931	109
PERRYVILLE	36	157,085	106,711	31,345	0	138,056	30.2	7.0	23.2	9,719	2,207	7,512	364	247	209	774	21	1,510	42	1,067	30	3,201	89	2,688	73
CRAIG*	697	4,312,545	3,456,048	849,469	1,249,625	5,555,142	18.3	7.6	10.7	422,191	64,560	262,660	516	413	377	27,054	39	52,795	76	47,057	50	141,170	149	114,048	128
HOLLIS*	60	292,651	261,983	30,454	0	292,437	18.3	7.6	10.7	22,225	2,315	19,911	359	321	293	2,051	30	4,002	59	2,620	39	7,859	116	6,751	99
HYDABURG*	136	830,996	725,606	72,686	180,059	978,351	18.3	7.6	10.7	74,355	5,524	55,146	509	445	405	5,680	42	11,084	82	9,057	53	27,170	160	22,299	137
DILLINGHAM	956	5,789,388	4,674,129	893,861	813,379	6,381,369	18.9	8.1	10.8	517,529	72,492	379,072	505	407	397	39,044	41	76,193	80	54,875	49	164,625	147	139,166	129
CORDOVA	966	5,599,965	4,774,565	1,150,713	1,901,017	7,826,295	18.5	8.4	10.1	657,409	96,660	401,063	483	412	415	41,310	43	80,614	83	66,758	49	200,287	148	164,986	131
GALENA	211	850,869	757,145	186,136	261,766	1,205,471	32.2	8.4	23.8	101,465	15,673	63,752	336	299	302	6,566	31	12,014	61	10,189	36	30,567	108	25,385	85
YAKUTAT	209	2,088,333	1,363,643	254,676	438,308	2,057,828	26.9	8.5	18.4	175,546	21,724	116,319	825	544	557	11,901	57	23,380	112	18,038	85	54,888	198	45,231	174
KOTZEBUE	799	7,588,638	4,584,877	257,204	1,765,088	6,607,249	20.1	8.6	11.5	569,545	22,178	395,216	791	478	495	40,707	51	79,438	99	83,500	57	190,499	172	158,282	154
DETHEL	1,922	11,040,940	8,152,156	921,357	1,524,587	10,598,100	21.6	8.8	12.8	933,673	81,172	718,205	479	353	374	73,975	38	144,359	75	98,767	42	290,302	127	250,717	115
CHEFORNAK	76	387,599	320,966	39,536	18,544	379,076	34.2	9.1	25.1	34,534	3,602	29,243	425	352	385	3,012	40	5,878	77	3,395	42	10,186	127	9,142	115
ST PAUL	160	1,229,892	898,365	64,982	608,406	1,571,753	34.2	10.3	23.9	161,891	6,693	92,532	640	468	578	9,531	60	18,599	116	15,068	56	45,203	168	37,816	160
BUCKLAND	80	379,883	326,955	37,251	95,031	459,237	37.0	10.8	26.2	49,552	4,019	35,278	396	341	441	3,634	45	7,091	89	4,220	41	12,660	123	11,400	119
COFFMAN COVE	112	542,204	445,030	67,333	75,894	589,257	28.2	10.9	17.3	64,355	7,366	48,686	403	331	435	5,015	45	9,786	87	5,200	40	15,828	119	14,518	116
NAUKATI	25	457,828	387,889	68,518	19,166	467,845	28.2	10.9	17.3	51,160	6,631	42,433	1,526	1,293	1,897	4,371	175	8,529	341	4,070	155	12,211	465	11,712	453
WHALE PASS	31	135,450	116,274	48,568	4,168	169,410	28.2	10.9	17.3	18,533	5,357	12,720	364	313	410	1,310	42	2,557	82	1,204	38	3,613	113	3,480	110
AKIAK	83	232,885	153,892	17,670	1,657	173,219	39.2	11.0	28.2	19,054	1,944	16,928	234	155	204	1,744	21	3,403	41	1,555	19	4,666	56	4,538	54
CHIGNIK LAGOON	75	223,636	197,539	35,450	25,037	258,026	37.0	11.1	25.8	28,583	3,924	21,868	246	219	292	2,252	30	4,395	59	2,226	26	6,677	79	6,297	77
UNALAKLEET	252	1,540,738	1,000,111	162,030	445,637	1,607,786	25.5	11.2	14.2	180,715	18,213	112,412	510	331	446	11,578	46	22,595	90	14,457	40	43,372	119	38,433	117
KONGIGANAK	85	386,805	301,937	26,778	88,545	417,252	45.2	11.3	33.9	47,149	3,025	34,119	379	296	401	3,514	41	6,858	81	3,905	36	11,714	107	10,702	105
VENETIE	65	152,414	152,235	25,200	81,567	259,002	49.2	11.6	37.6	29,967	2,916	17,614	195	195	271	1,814	28	3,540	54	2,338	23	7,014	70	6,177	70
ELGIN COVE	30	118,481	104,774	101,037	18,980	224,791	22.6	11.8	10.8	26,503	11,912	12,353	329	291	412	1,272	42	2,483	81	1,238	35	3,713	105	3,532	105
FALSE PASS	24	87,941	86,241	35,159	38,176	160,576	42.2	12.0	30.2	13,269	4,219	10,349	305	295	431	1,086	44	2,080	87	1,254	36	3,783	108	3,397	109
OUZINKIE	79	336,420	325,312	54,299	88,339	465,950	30.2	12.1	18.1	56,240	6,554	39,265	355	343	497	4,044	51	7,892	100	4,117	41	12,350	124	11,657	125
TATIILEK	30	157,029	65,744	25,740	58,383	149,867	39.2	12.4	26.8	18,598	3,194	8,159	436	183	272	840	28	1,640	55	1,241	22	3,724	66	3,187	67
ST GEORGE	55	313,714	265,408	44,854	140,172	450,434	31.7	12.6	19.1	56,620	5,638	33,362	475	402	607	3,436	62	6,706	122	4,056	48	12,167	145	11,881	149

\* For communities marked by asterisk,  
utility rate and PCE rate are from FY90.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust	Total kWh		PCE ELIGIBLE kWh			Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effectiv Resid Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Resid Customer	PCE kWh Per Resid Customer	PCE \$ Per Resid Customer	500 Res Cap	500 Res Cap	400 Res Cap	400 Res Cap	1.0 Cent	1.0 Cent	3.0 Cent	3.0 Cent	500 Res Cap	500 Res Cap
		(-10.3%) Ann Loss To Utility (\$)	(-10.3%) Ann Loss To Ave Res Cust (\$)	(-20.1%) Ann Loss To Utility (\$)	(-20.1%) Ann Loss To Ave Res Cust (\$)	Ann. Loss to Utility (\$)										Ann. Loss to Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ann. Loss to Ave Res Cust (\$)	& 2.0 ct fl Inc Ann Loss to Utility (\$)	& 2.0 ct fl Inc Ann Loss to Ave Res Cust (\$)					
CHIGNIK	64	243,693	219,887	50,577	94,127	364,591	28.0	12.7	15.3	46,376	6,433	27,970	317	286	437	2,881	45	5,622	88	3,140	34	9,420	103	8,708	107
FORT ALSWORTH	60	233,094	179,030	79,486	0	258,516	33.7	13.2	20.6	34,021	10,460	23,560	324	249	393	2,427	40	4,736	79	1,790	30	5,371	90	5,639	94
MANOKOTAK	98	446,344	305,099	38,044	5,321	348,464	35.2	13.5	21.7	46,938	5,125	41,097	380	259	419	4,233	43	8,260	84	3,104	31	9,313	93	9,813	99
AKHIOK	34	138,740	126,055	11,365	75,011	213,231	38.2	13.7	24.6	29,108	1,551	17,316	340	311	509	1,784	52	3,480	102	2,019	37	6,056	112	5,560	119
KOYUKUK	66	559,851	482,779	84,379	267,350	834,508	45.2	13.9	31.3	115,997	11,729	67,106	707	610	1,017	6,912	105	13,488	204	7,501	73	22,504	219	20,920	236
DOT LAKE*	27	107,167	104,416	54,251	33,520	192,107	28.6	14.4	14.2	27,675	7,812	15,036	331	322	557	1,549	57	3,022	112	1,379	39	4,138	116	4,092	127
MENTASTA*	31	76,936	58,747	17,912	91,358	168,017	28.6	14.4	14.2	24,194	2,579	8,460	207	158	273	871	28	1,700	55	1,501	19	4,503	57	3,752	62
YOK*	606	3,191,455	2,623,412	611,674	83,589	3,318,675	28.6	14.4	14.2	477,889	88,081	377,771	439	361	623	38,910	64	75,932	125	27,070	43	81,210	130	87,646	142
SHELDON POINT	36	85,482	85,306	26,380	48,447	160,133	50.0	14.6	35.4	23,443	3,862	12,489	198	197	347	1,286	35	2,510	70	1,338	24	4,013	71	3,786	78
TENAKEE SPRINGS	86	196,687	191,597	76,222	35,669	303,488	32.2	15.1	17.1	45,857	11,517	28,950	191	185	337	2,982	35	5,819	68	2,273	22	6,818	67	7,133	75
ATMAUTLUAK	56	239,798	194,925	31,530	11,413	237,868	47.0	15.2	31.9	36,037	4,777	29,531	357	290	527	3,042	54	5,936	106	2,063	35	6,190	104	6,787	117
KWETHLUK	140	432,988	409,981	32,357	63,729	506,067	44.2	15.7	28.6	79,199	5,054	64,162	258	244	458	6,609	47	12,897	92	4,737	29	14,211	88	15,238	100
TAKOTHA	28	84,764	73,215	36,380	46,919	156,514	48.3	15.8	32.5	24,729	5,748	11,568	252	218	413	1,192	43	2,325	83	1,201	26	3,604	78	3,443	89
FORT YUKON	229	770,991	709,801	155,976	197,091	1,062,868	46.1	16.0	30.1	169,846	24,925	113,426	281	258	495	11,603	51	22,799	100	9,069	31	27,207	93	28,359	107
KIPNUK	130	702,495	643,284	56,140	198,477	897,901	32.0	16.1	15.9	144,652	9,044	103,633	450	412	797	10,674	82	20,830	160	8,418	49	25,253	148	26,184	171
ATKA	28	147,634	95,240	29,851	42,625	167,716	38.2	16.3	21.9	27,338	4,866	15,524	439	283	554	1,599	57	3,120	111	1,379	34	4,136	102	4,160	118
CHITINA	26	102,017	86,682	85,596	13,496	185,774	36.8	16.4	20.4	30,541	11,072	14,251	327	278	548	1,468	56	2,864	110	1,002	33	3,005	100	3,293	116
NORTHWAY	107	429,700	394,198	91,631	60,436	546,265	29.4	16.8	12.6	91,827	15,403	66,265	335	307	619	6,825	64	13,319	124	4,546	37	13,639	111	15,106	130
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	16.9	30.1	84,393	16,529	50,680	237	225	457	5,220	47	10,187	92	4,020	27	12,061	81	12,642	96
PILOT POINT	42	217,372	140,353	51,327	64,817	259,497	31.9	17.0	14.9	43,630	8,731	23,874	431	278	568	2,459	59	4,799	114	2,052	33	6,155	100	6,273	118
KOTLIK	123	471,235	458,156	43,887	96,102	598,145	30.2	17.2	13.0	102,881	7,549	78,803	319	310	641	8,117	66	15,839	129	5,543	37	16,628	112	18,258	133
TETLIN*	50	112,845	102,731	21,031	41,100	164,862	28.3	17.7	10.6	29,181	3,722	18,183	188	171	364	1,873	37	3,655	73	1,438	21	4,315	62	4,538	74
ARCTIC VILLAGE	82	99,782	92,007	14,391	51,983	158,388	59.8	18.2	41.7	28,747	2,613	16,699	101	94	204	1,720	21	3,357	41	1,440	11	4,320	34	4,410	41
TULUKSAK	70	189,882	132,986	11,522	14,628	159,136	40.2	18.4	21.8	29,329	2,124	24,509	226	158	350	2,524	36	4,926	70	1,476	19	4,428	57	5,203	70
ANGOOK	198	1,081,965	827,852	93,849	144,228	1,065,929	33.6	18.8	15.0	198,156	17,447	153,898	455	348	777	15,851	80	30,933	156	9,721	42	29,162	125	33,588	155
CHILKAT VALLEY	141	411,681	389,000	64,643	83	453,546	33.6	18.6	15.0	84,314	11,984	72,315	243	230	513	7,448	53	14,535	103	3,891	28	11,672	83	14,429	102
HOONAH	306	1,797,774	1,633,645	220,799	614,534	2,468,978	33.6	18.6	15.0	458,983	41,047	303,695	490	445	992	31,281	102	61,043	199	22,482	53	67,445	160	72,875	198
KAKE	272	1,808,869	1,428,988	174,330	284,270	1,865,508	33.6	18.6	15.0	346,798	32,408	265,262	493	437	975	27,322	100	53,318	196	16,912	52	50,735	157	58,208	195
KASAAN	27	126,289	107,894	35,558	2,584	146,036	33.6	18.6	15.0	27,148	6,610	20,057	390	333	743	2,066	77	4,032	149	1,105	40	3,314	120	4,053	148
KI AWOCK	320	1,532,918	1,387,136	260,771	81,717	1,729,624	33.6	18.6	15.0	321,537	48,477	257,869	399	361	806	26,560	83	51,832	162	14,689	43	44,866	138	53,886	161
KLUKWAN	48	262,718	229,822	17,395	48,428	294,837	33.8	18.8	15.0	54,810	3,234	42,575	456	398	887	4,385	91	8,558	178	2,774	48	8,323	143	9,462	177
SAND POINT	271	1,381,737	1,252,933	403,947	539,200	2,196,080	28.8	19.0	9.9	416,157	76,548	237,431	425	385	876	24,455	90	47,724	176	17,921	46	53,764	139	57,717	173
STEVENS VILLAGE	44	53,793	45,597	15,464	25,364	86,425	55.2	19.1	36.1	16,490	2,951	8,700	102	86	198	896	20	1,749	40	710	10	2,129	31	2,221	39
RUBY	124	246,772	219,879	54,954	116,582	388,715	54.2	19.1	35.1	74,381	10,341	41,910	186	147	338	4,317	35	8,424	68	3,347	18	10,040	53	10,559	67
NAPASKIAK	86	312,967	262,240	36,808	13,667	312,715	45.2	19.4	25.6	60,729	7,148	50,927	303	254	592	5,245	61	10,236	119	2,759	30	8,277	91	10,223	116
CHENEGA BAY	24	80,105	77,908	31,862	29,801	139,571	29.7	19.6	10.1	27,356	6,245	15,378	278	271	636	1,573	66	3,869	128	1,077	32	3,231	97	3,566	124
CHISTOCHEINA*	23	91,230	80,096	56,091	8,965	145,152	36.8	19.7	17.1	28,595	11,050	15,779	331	290	688	1,625	71	3,172	138	891	35	2,672	104	3,241	133
TUNTUTULIAK	78	333,371	304,933	41,977	37,051	383,961	46.0	19.8	28.2	75,986	8,307	60,346	356	326	774	6,216	80	12,130	156	3,420	39	10,260	117	12,427	150
FKWOK	48	164,419	159,233	32,125	28,488	228,928	46.2	21.0	19.2	46,416	6,753	33,679	285	278	702	3,469	72	6,769	141	1,897	33	5,661	100	6,913	137
KOLIGANEK	65	214,241	207,157	44,967	6,789	258,913	50.2	21.5	28.7	55,770	8,686	44,622	275	266	686	4,596	71	8,969	138	2,139	32	8,418	96	8,448	128
AKUTAN	35	155,454	147,225	59,134	133,105	339,464	32.5	22.4	10.1	76,040	13,246	32,978	370	351	942	3,397	97	6,629	189	2,803	42	8,410	126		

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust	Total kWh		PCE ELIGIBLE kWh			Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercd Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Pasid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ave Res Cust (\$)
		Residential	Residential	Commer- cial	Cmnty Facils	Total										Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)
DEERING	42	186,762	182,569	37,171	51,342	271,082	38.7	23.9	14.8	64,680	8,869	43,56	371	362	1,037	4,487	107	8,756	208	2,339	43	7,017	130	8,789	195
NIKOLSKI	14	39,992	38,065	27,919	17,178	83,162	40.2	24.0	16.2	19,967	6,703	9,139	238	227	653	941	67	1,837	131	552	27	1,657	82	1,968	116
CIRCLE	34	106,838	102,597	65,950	28,820	197,367	48.2	24.1	24.1	47,565	15,894	24,726	262	251	727	2,547	75	4,970	146	1,314	30	3,943	91	4,964	129
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,738	41.1	24.2	16.9	82,530	8,274	55,416	286	252	729	5,708	75	11,139	147	3,075	30	9,224	91	11,385	129
PLATINUM	18	39,142	33,963	17,052	5,224	56,239	50.2	24.2	26.0	13,615	4,128	8,222	101	157	457	847	47	1,653	92	392	19	1,176	57	1,561	81
NELSON LAGOON	42	186,801	167,881	43,126	19,709	230,716	42.2	24.5	17.7	56,433	10,549	41,064	371	333	978	4,230	101	8,254	197	1,876	40	5,628	120	7,636	172
STEBBINS	120	442,529	411,305	59,817	156,456	627,578	39.5	24.6	14.9	154,321	14,709	101,140	307	286	843	10,417	87	20,329	169	5,678	34	17,033	103	20,925	148
COLD BAY	38	287,168	155,151	69,550	99,986	324,687	34.3	24.7	9.5	30,328	17,207	38,384	630	340	1,010	3,954	104	7,715	203	2,551	41	7,654	122	8,737	177
QUINIAGAK	136	533,343	487,090	66,922	175,670	729,682	39.6	24.7	14.9	180,523	16,557	120,506	327	298	886	12,412	91	24,222	178	6,628	36	19,883	107	24,664	156
SHAKTOOLIK	53	340,315	282,277	61,665	85,934	429,876	40.3	24.8	15.5	106,609	15,293	70,005	535	444	1,321	7,210	136	14,071	265	3,682	53	11,046	160	13,993	232
EEK	81	290,936	272,346	22,845	44,848	340,039	40.5	24.8	15.6	84,364	5,668	67,569	299	280	831	6,960	86	13,581	168	3,172	34	9,516	101	12,742	146
KOVUK	73	416,377	351,281	51,705	204,263	607,249	39.7	24.9	14.8	151,084	12,884	87,399	475	401	1,197	9,002	123	17,567	241	5,555	48	16,666	144	19,389	210
ST. MICHAEL	85	334,795	307,981	58,554	121,871	488,406	40.5	25.0	15.5	121,857	14,609	76,841	328	302	904	7,915	93	15,445	182	4,299	36	12,896	109	15,877	158
ILIAMNA	209	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	194,529	372	310	931	20,037	96	39,100	187	9,655	37	28,964	112	37,744	183
MARSHALL	87	379,298	329,175	56,934	181,699	567,808	40.3	25.1	15.2	142,463	14,285	82,590	363	315	949	8,507	98	16,601	191	5,109	38	15,326	114	10,046	166
BREVIG MISSION	64	200,538	199,824	26,910	64,475	291,209	40.6	25.2	15.5	73,354	6,779	50,336	261	260	786	5,185	81	10,117	158	2,643	31	7,929	94	10,059	137
MINTO	74	344,591	329,803	48,503	110,239	488,545	36.9	25.2	11.6	123,162	12,228	83,143	385	371	1,124	8,564	116	16,712	226	4,400	45	13,201	134	16,685	186
TOGIAK	207	987,187	838,988	86,235	375,049	1,300,272	39.4	25.3	14.1	320,839	21,809	212,180	397	338	1,025	21,855	108	42,648	206	12,140	41	36,421	122	44,407	178
WALES	54	252,952	181,554	49,242	81,501	312,297	39.3	25.3	13.9	79,136	12,478	46,006	390	280	852	4,739	88	9,247	171	2,631	34	7,892	101	9,626	148
NULATO	100	463,349	443,533	42,034	219,067	704,634	41.3	25.4	15.9	178,766	10,664	112,524	386	370	1,125	11,590	116	22,817	226	6,626	44	19,878	133	23,928	185
HOLY CROSS	68	348,549	334,146	51,862	122,721	508,729	39.4	25.4	14.0	129,115	13,163	84,808	427	409	1,247	8,735	128	17,046	251	4,569	49	13,706	147	17,184	217
LARSEN BAY	48	206,012	198,768	65,696	69,164	333,628	40.2	25.5	14.7	84,942	16,726	50,606	358	345	1,054	5,212	109	10,172	212	2,679	41	8,038	124	10,162	183
CHEVAK	140	480,724	477,188	50,672	195,062	722,922	40.4	25.5	14.9	184,201	12,911	121,588	286	284	868	12,524	89	24,439	175	6,723	34	20,168	102	24,996	151
GOLOVIN	57	167,954	139,567	49,321	59,210	248,098	38.2	25.5	12.7	63,240	12,572	35,576	246	204	624	3,664	64	7,151	125	1,988	24	5,963	73	7,352	108
ALAKANUK	132	560,670	462,512	50,547	258,178	771,237	41.8	25.5	16.1	196,743	12,895	117,987	354	292	894	12,153	92	23,715	180	7,207	35	21,621	105	25,614	155
GAMBELL	160	704,919	594,919	66,070	241,976	902,965	40.2	25.8	14.4	237,784	17,033	153,370	367	310	959	15,797	99	30,827	193	8,369	37	25,107	112	31,309	165
SHISHMAREF	142	609,940	501,791	51,820	182,841	736,452	38.5	25.8	12.7	190,078	13,375	129,512	358	294	912	13,340	94	26,032	183	5,846	35	20,539	100	25,999	157
ELIM	78	345,827	311,270	55,340	142,562	509,172	39.4	26.0	13.5	132,181	14,366	80,806	369	333	1,036	8,323	107	16,242	208	4,538	40	13,615	120	16,758	178
LEVELOCK	48	177,636	158,770	42,710	75,439	276,919	45.2	26.1	19.1	72,220	11,139	41,407	308	276	863	4,265	89	8,323	173	2,342	33	7,026	99	8,622	148
GRAYLING	48	183,338	180,830	47,052	127,379	355,261	40.8	26.1	14.7	92,688	12,276	47,179	318	314	983	4,859	101	9,483	198	3,082	38	9,246	113	10,651	169
PEDRO BAY	26	58,988	58,627	33,096	17,989	109,712	60.2	26.1	34.1	28,624	8,635	15,296	189	188	588	1,575	61	3,074	118	766	23	2,298	68	2,987	101
RUSSIAN MISSION	71	262,359	241,819	41,589	40,198	323,606	38.9	26.2	12.7	84,849	10,905	63,405	308	284	893	6,531	92	12,744	179	2,020	34	8,461	102	11,673	153
SCAMMON BAY	94	489,038	405,722	58,504	68,921	533,237	40.4	26.3	14.1	140,061	15,395	105,565	434	360	1,134	10,976	117	21,423	228	4,746	43	14,239	129	19,635	194
TOKSOOK BAY	103	491,637	452,541	50,688	147,755	650,984	40.5	26.3	14.2	171,144	13,326	118,973	398	366	1,155	12,254	119	23,914	232	6,003	44	18,009	138	23,328	188
LOWER KALSIKAG	65	269,019	258,830	15,536	87,411	361,777	39.8	26.3	13.5	95,184	4,088	60,098	345	332	1,048	7,014	108	13,608	211	3,462	40	10,387	119	13,406	179
UPPER KALSIKAG	64	295,729	276,316	48,012	39,276	363,604	39.8	26.3	13.5	95,664	12,832	72,689	385	360	1,136	7,466	117	14,612	228	3,156	43	9,468	130	13,231	194
MEKORYUK	79	254,951	239,436	49,376	51,699	340,511	40.0	26.4	13.6	89,861	13,030	63,187	269	253	800	6,508	82	12,701	161	2,811	30	8,724	91	11,838	137
HOOPER BAY	205	767,744	700,441	61,184	126,200	895,825	41.3	26.5	14.8	236,946	16,103	187,383	312	288	914	19,300	94	37,664	184	8,346	35	25,039	104	34,534	150
ITIKAS POINT	34	136,155	120,122	189	45,605	165,926	42.2	26.6	15.6	44,103	53	31,828	334	284	939	3,269	97	6,418	189	1,657	35	4,972	106	6,356	160
ST. MARY'S	148	721,749	642,614	111,189	246,911	1,000,714	42.2	26.6	15.6	265,990	29,554	170,807	406	362	1,154	17,593	119	34,332	232	8,895	43	26,686	130	34,060	191
TUNUNAK	80	270,437	261,254	55,126	98,781	415,161	40.1	26.6	13.4	110,599	14,688	69,598	282	272	870	7,169	90	13,989	175	3,600	33	10,801	98	13,071	148
HUGHES	32	62,401	58,837	26,632	37,482	122,951	51.2	26.7	24.8	32,768	7,097	16,680	163	153	480	1,815	50	3,152	98	963	18	2,890	55	3,420	83

\* For communities marked by asterisk, utility rate and PCE rate are from FY96.

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(1) COMMUNITY	(2) # of Res Cust.	(3) Total kWh Residential	(4)-(7) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercl Reqmnt (\$)	(13) PCE Resid Reqmnt (\$)	(14) Total kWh Per Mo. Per Resid Customer	(15) PCE kWh Per Mo. Per Resid Customer	(16) PCE \$ Per Year Per Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ave Res Cust (\$)										1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)				
WHITE MOUNTAIN	61	222,287	165,044	37,604	119,266	321,914	48.2	26.7	21.5	65,919	10,037	44,050	304	225	722	4,537	74	8,854	145	2,843	27	8,529	81	9,883	123
NIKOLAI	37	105,748	101,825	33,361	90,790	225,976	50.2	26.7	23.5	60,403	8,917	27,218	238	229	736	2,803	76	5,471	140	1,926	28	5,778	83	6,446	125
SAVOONGA	147	506,866	482,331	58,685	158,553	706,579	40.3	26.7	13.8	187,335	15,962	128,975	284	273	877	13,284	90	25,924	176	6,409	33	19,227	98	25,109	149
ANIAK	173	832,444	800,106	180,334	52,058	1,032,498	48.9	27.0	21.9	278,774	48,690	216,029	401	395	1,249	22,251	129	43,422	251	8,522	46	25,565	139	37,646	212
KALTAG	69	313,381	286,316	45,073	115,696	447,085	41.0	27.3	13.8	121,920	12,291	78,078	378	346	1,132	8,042	117	15,694	227	4,020	41	12,060	124	15,493	193
PILOT STATION	109	534,546	455,644	36,730	113,785	606,159	41.9	27.5	14.4	166,572	10,093	125,211	409	348	1,149	12,897	118	25,167	231	5,694	42	17,083	125	23,347	193
ALLAKAKET*	72	191,874	187,155	31,653	126,940	345,748	39.1	27.5	11.6	95,081	8,705	51,468	222	217	715	5,301	74	10,345	144	3,141	26	9,423	78	11,198	120
SHAGELUK	41	123,027	121,984	27,591	54,487	204,062	41.5	27.6	14.0	56,219	7,601	33,607	250	248	820	3,461	84	6,755	165	1,765	30	5,294	89	6,740	138
KIVALINA	63	320,324	306,194	37,377	84,174	427,745	39.3	27.6	11.7	118,015	10,312	84,479	424	405	1,341	8,701	138	16,980	270	3,904	49	11,711	146	15,878	225
NOORVIK	144	744,755	641,082	61,951	251,571	954,604	39.7	27.6	12.0	263,853	17,123	177,195	431	371	1,231	18,251	127	35,616	247	8,927	45	26,780	134	34,784	207
EMMONAK	186	076,937	775,632	89,881	468,344	1,333,857	39.9	27.8	12.2	370,545	24,969	215,471	393	348	1,158	22,193	119	43,310	233	12,440	42	37,319	125	45,475	194
ANVIK	45	144,845	136,732	33,460	65,972	236,164	40.3	27.9	12.4	65,937	9,342	38,176	268	253	848	3,972	87	7,673	171	2,027	30	6,081	91	7,704	142
NEWTOK	51	187,883	186,758	32,093	17,471	236,322	54.2	28.1	26.2	66,288	9,002	52,386	307	305	1,027	5,396	106	10,530	206	2,042	37	6,127	110	9,096	171
EAGLE	139	327,941	308,350	69,721	12,282	390,353	47.5	28.4	19.1	110,782	19,787	87,510	197	185	630	9,014	65	17,589	127	3,206	22	9,619	67	14,791	105
KWIGILINGOK	78	325,822	316,049	43,925	18,716	378,690	50.2	28.4	21.8	107,586	12,479	89,790	348	338	1,151	9,248	119	18,048	231	3,348	41	10,043	122	15,293	191
OLD HARBOR	101	380,885	26,346	370,757	39,596	436,699	41.3	28.5	12.8	124,503	105,703	7,511	314	22	74	774	8	1,510	15	659	3	1,978	8	2,038	12
DIOMEDE	40	163,897	144,490	39,772	58,847	243,109	43.2	28.6	14.6	69,553	11,379	41,339	341	301	1,033	4,258	106	8,309	208	2,033	36	6,100	108	8,027	171
HUSLIA	93	366,025	286,292	33,251	63,695	383,238	42.9	28.7	14.2	109,836	9,530	82,051	328	257	882	8,451	91	16,492	177	3,500	31	10,500	92	14,861	146
KASIGLUK	99	497,189	431,393	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,805	124,759	419	363	1,260	12,850	130	25,077	253	5,098	44	15,294	131	22,157	208
NUNAPITCHUK	109	376,842	375,960	36,653	53,522	466,135	41.4	28.9	12.5	134,806	10,600	108,728	288	207	998	11,199	103	21,854	200	4,295	34	12,884	103	19,014	185
KIANA	98	542,809	496,830	77,316	145,948	720,094	39.2	28.9	10.2	208,395	22,375	143,783	462	422	1,467	14,810	151	28,900	295	6,428	51	18,283	152	28,842	242
NIGHTMUTE	45	176,661	125,830	31,334	5,857	163,021	41.0	29.3	11.7	47,716	9,171	38,830	327	233	818	3,794	84	7,403	165	1,317	28	3,951	84	6,188	134
SELAWIK	167	735,505	664,160	83,056	183,475	910,691	40.8	29.3	11.5	266,832	24,335	194,599	367	331	1,165	20,044	120	39,114	234	8,278	40	24,829	119	35,228	191
MT. VILLAGE	181	992,417	763,004	63,892	328,257	1,155,153	43.1	29.3	13.8	338,806	18,740	223,789	457	351	1,236	23,050	127	44,982	248	10,913	42	32,738	126	43,304	203
KOKHANOK BAY	51	156,252	151,027	26,159	51,338	228,524	55.3	29.4	25.9	67,186	7,691	44,402	255	247	871	4,573	90	8,925	175	2,024	30	6,071	89	8,310	143
CENTRAL	85	162,501	159,134	109,149	4,403	271,686	50.9	29.5	21.4	80,012	31,850	46,865	159	156	551	4,827	57	9,420	111	1,635	19	4,908	56	7,770	80
AKIACHAK	144	373,166	297,044	42,802	0	339,846	49.9	29.7	20.2	100,900	12,708	88,192	216	172	612	9,084	63	17,727	123	2,970	21	8,911	82	14,413	100
BEAVER	63	85,399	81,742	30,561	17,825	130,128	40.2	30.1	10.1	39,169	9,199	24,604	113	108	391	2,534	40	4,945	78	996	13	2,887	39	4,357	64
TELLER	74	268,164	193,646	90,071	59,375	343,092	53.8	30.2	23.6	103,614	27,201	58,481	302	218	790	6,024	81	11,755	159	2,530	26	7,591	79	10,685	128
EGEGIK	66	201,953	190,881	71,836	70,639	333,356	55.0	30.4	24.6	101,407	21,853	58,066	255	241	880	5,981	91	11,671	177	2,615	29	7,846	87	10,818	143
KARLUK*	13	49,491	45,654	12,586	9,718	67,958	53.3	31.3	22.0	21,271	3,939	14,290	317	293	1,099	1,472	113	2,872	221	554	35	1,661	105	2,485	176
NEW STUYAHOK	95	549,520	469,496	37,888	104,201	611,585	39.8	32.0	7.8	195,891	12,136	150,380	482	412	1,583	15,489	163	30,226	318	5,737	49	17,211	148	25,998	252
CHIGNIK LAKE	37	391,502	353,575	55,814	59,646	469,035	43.2	32.4	10.8	151,920	18,078	114,523	862	706	3,095	11,796	319	23,018	622	4,132	96	12,397	287	19,332	490
NAPAKIAK	95	340,706	322,030	39,368	3,206	364,604	47.8	32.9	14.9	120,101	12,968	106,077	299	282	1,117	10,926	115	21,321	224	3,252	34	9,757	102	16,767	176
ANDLER	82	404,934	359,297	63,136	146,899	569,332	52.7	33.2	19.5	188,790	20,936	119,143	412	365	1,453	12,272	150	23,948	292	5,062	44	15,186	131	21,655	228
SHUNGNAK	58	374,294	295,172	46,265	135,483	478,920	49.9	33.8	16.1	161,247	15,642	99,788	538	424	1,721	10,279	177	20,059	346	4,307	51	12,920	153	18,284	269
IGIUGIG	17	49,843	44,899	21,617	21,718	88,232	58.5	33.8	24.7	29,849	7,313	15,189	244	220	893	1,565	92	3,053	180	666	26	1,998	79	2,804	139
GUSTAVUS	286	819,418	793,657	245,810	24,616	1,064,083	51.0	34.1	16.9	362,427	83,723	270,320	239	231	945	27,843	97	54,334	190	8,183	28	24,548	83	42,573	147
DETILES*	21	81,940	71,539	68,907	12,932	153,378	51.8	34.3	17.5	52,609	23,635	24,538	325	284	1,168	2,527	120	4,932	235	845	34	2,534	102	4,069	181
KOBUK	34	96,827	93,108	43,364	65,619	202,171	53.2	34.6	18.6	70,012	15,017	32,271	237	228	949	3,324	98	6,486	191	1,588	27	4,764	87	6,308	147
HEALY LAKE*	13	43,929	40,029	24,910	11,281	76,220	48.2	35.1	13.1	26,753	8,743	14,050	282	257	1,081	1,447	111	2,824	217	513	31	1,539	92	2,391	167
NOATAK	95	508,470	441,155	43,959	231,272	716,388	52.8	38.4																	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh	PCE ELIGIBLE kWh				Utility Res Rate	PCE Rate	Effective Resid.	Full PCE Formula	PCE Commercial	PCE Resid	Total kWh Per Mo.	PCE kWh Per Mo.	PCE \$ Per Year	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
		Residential	Residential	Commer- clal	Comny Facis	Total	Apr 99* (cents)	Apr 99* (cents)	Rate (cents)	Reqmnt (\$)	Reqmnt (\$)	Reqmnt (\$)	Per Resid Customer	Per Resid Customer	Per Resid Customer										
CHUATHBALUK	33	86,687	82,231	24,625	10,483	117,339	59.8	40.5	19.3	47,487	9,968	33,279	219	208	1,008	3,428	104	6,689	203	927	25	2,781	75	5,113	149
CROOKED CREEK	31	114,856	110,253	30,958	10,899	152,110	59.8	40.5	19.3	61,559	12,529	44,619	309	296	1,439	4,596	148	8,968	289	212	36	3,635	107	6,792	212
MANLEY HOT SPR.	63	123,579	119,945	71,639	3,774	195,358	60.1	40.5	19.6	79,061	28,992	48,542	163	159	771	5,000	79	9,757	155	1,237	19	3,712	57	7,227	114
RED DEVIL	13	42,165	37,414	22,315	0	59,729	59.8	40.5	19.3	24,172	9,031	15,141	270	240	1,165	1,560	120	3,043	234	374	29	1,122	86	2,231	172
SLEETMUTE	34	83,389	76,989	35,871	16,943	129,803	59.8	40.5	19.3	52,531	14,517	31,157	204	189	916	3,209	94	6,263	184	939	23	2,818	68	4,929	135
STONY RIVER	16	40,778	33,295	24,588	22,890	80,773	59.8	40.5	19.3	32,689	9,951	13,474	212	173	842	1,388	87	2,708	169	562	21	1,686	62	2,443	124
CHALKYITSIK	37	281,703	275,767	185,509	6,996	468,272	60.2	40.9	19.4	191,289	75,780	112,651	634	621	3,045	11,603	314	22,643	612	2,828	75	8,483	224	16,690	447
<b>TOTALS</b>	<b>24,421</b>	<b>128,761,280</b>	<b>101,023,397</b>	<b>19,069,797</b>	<b>30,167,755</b>	<b>150,260,949</b>				<b>21,857,411</b>	<b>2,864,240</b>	<b>14,663,059</b>	<b>439</b>	<b>345</b>	<b>600</b>	<b>1,510,295</b>	<b>62</b>	<b>2,947,275</b>	<b>121</b>	<b>1,311,912</b>	<b>41</b>	<b>3,895,156</b>	<b>123</b>	<b>3,912,722</b>	<b>136</b>

\* For communities marked by asterisk, utility rate and PCE rate are from FY96.

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(1) COMMUNITY	(2) # of Res Cust	(3)-(7) Total kWh					(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commerci Reqmnt (\$)	(13) PCE Resid Reqmnt (\$)	(14) Total kWh Per Resid Customer	(15) PCE kWh Per Resid Customer	(16) PCE \$ Per Year Per Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
		500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)										1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)					
AKHIOK	34	138,740	126,855	11,365	75,011	213,231	38.2	13.7	24.6	29,106	1,551	17,316	340	311	509	1,784	52	3,480	102	2,019	37	6,056	112	5,560	119
AKIACHAK	144	373,166	297,044	42,802	0	339,846	49.9	29.7	20.2	100,900	12,708	88,192	216	172	612	9,084	63	17,727	123	2,970	21	8,911	62	14,413	100
AKIAK	83	232,865	153,892	17,670	1,657	173,219	39.2	11.0	28.2	19,054	1,944	16,928	234	155	204	1,744	21	3,403	41	1,555	19	4,666	56	4,538	54
AKUTAN	35	155,454	147,225	59,134	133,105	339,464	32.5	22.4	10.1	76,040	13,246	32,978	370	351	942	3,397	97	6,629	189	2,803	42	8,410	126	8,700	173
ALAKANUK	132	560,670	462,512	50,547	258,178	771,237	41.6	25.5	18.1	196,743	12,895	117,987	354	292	894	12,153	92	23,715	180	7,207	35	21,621	105	25,614	155
ALLAKAKET*	72	191,874	187,155	31,653	126,940	345,748	39.1	27.5	11.6	95,081	8,705	51,468	222	217	715	5,301	74	10,345	144	3,141	26	0,423	78	11,198	120
AMBLEF	82	404,934	359,297	63,136	146,899	569,332	52.7	33.2	19.5	188,790	20,936	119,143	412	365	1,453	12,272	150	23,948	292	5,062	44	15,186	131	21,655	228
ANAKTUVUK PASS	81	515,536	349,449	76,954	20,880	447,283	15.0	5.1	9.9	22,811	3,925	17,822	530	360	220	1,836	23	3,582	44	3,703	43	11,110	129	8,522	100
ANGOON	198	1,081,965	827,852	93,849	144,228	1,065,929	33.6	18.6	15.0	198,156	17,447	153,898	455	348	777	15,851	80	30,933	156	9,721	42	29,162	125	33,588	155
ANIAK	173	832,444	800,106	180,334	52,058	1,032,498	48.9	27.0	21.9	278,774	48,690	216,029	401	385	1,249	22,251	129	43,422	251	8,522	46	25,565	139	37,646	212
ANVIK	45	144,845	136,732	33,460	65,972	236,164	40.3	27.9	12.4	65,937	9,342	38,176	268	253	848	3,932	87	7,673	171	2,027	30	6,081	91	7,704	142
ARCTIC VILLAGE	02	99,782	92,007	14,398	51,983	158,388	59.8	18.2	41.7	28,747	2,613	16,699	101	94	204	1,720	21	3,357	41	1,440	11	4,320	34	4,410	41
ATKA	28	147,634	95,240	29,851	42,625	167,716	38.2	18.3	21.9	27,338	4,866	15,524	439	283	554	1,599	57	3,120	111	1,379	34	4,136	102	4,160	118
ATMAUTLUAK	56	239,798	194,925	31,530	11,413	237,868	47.0	15.2	31.9	36,037	4,777	29,531	357	290	527	3,042	54	5,936	106	2,063	35	6,190	104	6,767	117
ATQASUK	50	408,924	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,485	13,956	682	456	279	1,437	29	2,805	56	3,123	55	9,369	164	7,119	127
BEAVER	63	85,399	81,742	30,561	17,825	130,128	40.2	30.1	10.1	39,169	9,199	24,604	113	108	391	2,534	40	4,945	78	996	13	2,987	39	4,357	64
BETHEL	1,922	11,040,940	8,152,156	921,357	1,524,587	10,598,100	21.6	8.8	12.8	933,693	81,172	718,205	479	353	374	73,975	38	144,359	75	96,767	42	290,302	127	250,717	115
BETTLES*	21	81,940	71,539	68,907	12,932	153,378	51.8	34.3	17.5	52,609	23,635	24,538	325	284	1,168	2,527	120	4,932	235	845	34	2,534	102	4,069	181
BREVIQ MISSION	64	200,538	199,824	26,910	64,475	291,209	40.6	25.2	15.5	73,356	6,779	50,336	261	260	786	5,185	81	10,117	158	2,643	31	7,929	94	10,059	137
BUCKLAND	80	379,883	326,955	37,251	95,031	459,237	37.0	10.8	26.2	49,552	4,019	35,278	396	341	441	3,634	45	7,091	89	4,220	41	12,660	123	11,400	119
CENTRAL	85	182,501	159,134	108,149	4,403	271,686	50.9	29.5	21.4	80,012	31,850	46,865	159	156	551	4,827	57	9,420	111	1,635	19	4,906	56	7,770	90
CHALKYITSIK	37	281,703	275,767	185,509	6,996	468,272	60.2	40.9	19.4	191,289	75,780	112,651	634	621	3,045	11,603	314	22,643	612	2,828	75	8,483	224	18,690	447
CHEFORNAK	76	387,599	320,996	39,536	18,544	379,076	34.2	9.1	25.1	34,534	3,602	29,243	425	352	385	3,012	40	5,878	77	3,395	42	10,186	127	8,142	115
CHIENEGA BAY	24	80,105	77,908	31,862	29,801	139,571	29.7	19.6	10.1	27,356	6,245	15,270	278	271	636	1,573	66	3,069	128	1,077	32	3,231	87	3,586	124
CHEVAK	140	480,724	477,188	50,672	195,062	722,922	40.4	25.5	14.9	184,201	12,911	121,588	286	284	888	12,524	89	24,439	175	6,723	34	20,166	102	24,986	151
CHIGNIK	64	243,693	219,887	50,577	94,127	364,591	28.0	12.7	15.3	46,376	8,433	27,970	317	286	437	2,881	45	5,622	88	3,140	34	9,420	103	8,708	107
CHIGNIK LAGOON	75	223,636	197,539	35,450	25,037	258,026	37.0	11.1	25.9	28,563	3,924	21,868	248	219	292	2,252	30	4,395	59	2,226	26	6,677	79	6,297	77
CHIGNIK LAKE	37	391,502	353,575	55,814	59,646	469,035	43.2	32.4	10.8	151,920	18,078	114,523	882	796	3,095	11,796	319	23,019	622	4,132	96	12,397	287	19,332	490
CHILKAT VALLEY	141	411,681	389,000	64,463	83	453,546	33.6	18.6	15.0	84,314	11,984	72,315	243	230	513	7,448	53	14,535	103	3,891	28	11,672	83	14,429	102
CHISTOCHINA*	23	91,230	80,096	56,091	0,965	145,152	36.8	19.7	17.1	28,595	11,050	15,779	331	290	686	1,625	71	3,172	138	891	35	2,672	104	3,241	133
CHITINA	26	102,017	86,682	86,596	13,496	185,774	36.8	16.4	20.4	30,541	14,072	14,251	327	278	548	1,488	56	2,864	110	1,002	33	3,005	100	3,293	116
CHUATHBALUK	33	86,687	82,231	24,625	10,483	117,339	59.8	40.5	19.3	47,487	9,966	33,279	219	208	1,008	3,428	104	6,689	203	927	25	2,781	75	5,113	149
CIRCLE	34	106,838	102,597	65,950	28,820	197,367	48.2	24.1	24.1	47,565	15,894	24,726	262	251	727	2,547	75	4,970	146	1,314	38	3,943	91	4,964	128
COFFMAN COVE	112	542,204	445,030	67,333	75,894	588,257	28.2	10.9	17.3	84,355	7,388	48,886	403	331	435	5,015	45	9,786	87	5,209	40	15,628	119	14,516	116
COLD BAY	38	287,168	155,151	69,550	99,986	324,687	34.3	24.7	9.5	80,328	17,207	38,384	630	340	1,010	3,954	104	7,715	203	2,551	41	7,654	122	8,737	177
CORDOVA	966	5,599,965	4,774,565	1,150,713	1,901,817	7,826,285	18.5	5.4	10.1	657,405	96,660	401,085	483	412	415	41,310	43	80,614	83	66,756	49	200,267	148	164,986	131
CRAIG*	697	4,312,545	3,456,048	849,469	1,249,625	5,555,142	18.3	7.6	10.7	422,191	64,560	262,660	516	413	377	27,054	39	52,795	76	47,057	58	141,170	149	114,048	128
CROOKED CREEK	31	114,856	110,253	30,958	10,899	152,110	59.8	20.9	19.3	61,559	12,529	44,619	309	296	1,439	4,596	148	8,968	289	1,212	38	3,635	107	6,792	217
DEERING	42	186,762	182,568	37,171	51,342	271,882	38.7	23.9	14.8	84,880	8,669	43,581	371	362	1,037	4,467	107	8,756	208	2,339	43	7,017	130	8,789	184
DILLINGHAM	956	5,789,388	4,674,129	893,861	813,379	6,381,369	18.9	8.1	10.8	517,529	72,492	379,072	505	407	397	39,044	41	76,193	80	54,875	49	164,625	147	139,166	129
DIOMEDE	40	163,897	144,490	39,772	58,847	243,109	43.2	28.6	14.6	69,553	11,379	41,339	341	301	1,033	4,258	106	8,309	208	2,033	36	6,100	108	8,027	171
DOT LAKE*	27																								

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(1) COMMUNITY	(2) # of Res Cust.	(3) Total kWh Residential	(4)-(7) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercial Reqmnt (\$)	(13) PCE Resid Reqmnt (\$)	(14) Total kWh Per Resid Customer	(15) PCE kWh Per Resid Customer	(16) PCE \$ Per Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	Ave Res Cust (\$)										1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)				
EAGLE	139	327,941	308,350	69,721	12,282	390,353	47.5	28.4	19.1	110,782	19,787	87,510	197	185	630	9,014	65	17,589	127	3,206	22	9,619	67	14,791	105
EEK	81	290,936	272,346	22,845	44,848	340,039	40.5	24.8	15.6	84,364	5,668	87,569	299	280	834	6,960	86	13,581	168	3,172	34	9,516	101	12,742	146
ECEGIK	66	201,953	190,881	71,838	70,639	333,356	55.0	30.4	24.8	101,407	21,853	56,066	255	241	660	5,381	91	11,671	177	2,815	28	7,846	87	10,818	143
EKWOK	48	164,419	160,223	32,125	28,480	270,828	40.2	21.0	19.2	46,418	6,753	33,679	285	278	702	3,469	72	6,769	141	1,887	33	5,661	100	6,913	132
ELFIN COVE	30	118,481	104,774	101,037	18,980	224,791	22.6	11.8	10.8	26,503	11,912	12,353	329	291	412	1,272	42	2,483	83	1,238	35	3,713	105	3,532	105
ELIM	78	345,627	311,270	55,340	142,562	509,172	39.4	26.0	13.5	132,181	14,366	80,806	369	333	1,036	8,323	107	16,242	208	4,538	40	13,615	120	16,758	178
EMMONAK	186	876,937	775,632	89,881	468,344	1,333,657	39.9	27.8	12.2	370,545	24,969	215,471	393	348	1,158	22,193	119	43,310	233	12,440	42	37,319	125	45,475	184
FALSE PASS	24	87,941	86,241	35,159	39,176	160,576	42.2	12.0	30.2	19,269	4,219	10,349	305	299	431	1,066	44	2,080	87	1,254	36	3,763	108	3,397	109
FORT YUKON	229	770,991	709,801	155,976	197,091	1,062,868	46.1	16.0	30.1	169,846	24,925	113,426	281	258	495	11,603	51	22,799	100	9,069	31	27,207	83	28,359	107
G. LENA	211	850,869	757,145	186,136	261,766	1,205,047	32.2	8.4	23.8	101,465	15,673	63,752	336	299	302	6,566	31	12,814	61	10,189	36	30,567	108	25,385	95
GAMBELL	160	704,919	594,919	66,070	241,976	902,965	40.2	25.8	14.4	232,784	17,033	153,370	367	310	959	15,797	99	30,827	193	8,369	37	25,107	112	31,309	165
GOLOVIN	57	167,954	139,567	49,321	59,210	248,098	38.2	25.5	12.7	63,240	12,572	35,570	246	204	624	3,664	64	7,151	125	1,988	24	5,963	73	7,352	108
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,738	41.1	24.2	16.9	82,530	8,274	55,416	286	252	729	5,708	75	11,139	147	3,075	30	9,224	91	11,385	129
GRAYLING	48	183,338	180,830	47,052	127,379	355,261	40.8	26.1	14.7	92,688	12,276	47,179	318	314	983	4,859	101	9,483	198	3,082	38	9,248	113	10,651	169
GUSTAVUS	286	819,418	793,657	245,810	24,616	1,064,083	51.0	34.1	16.9	362,427	83,723	270,320	239	231	945	27,843	97	51,334	190	8,183	28	24,548	83	42,573	147
HAINES*	858	4,721,725	3,889,801	916,755	741,307	5,547,863	16.3	6.1	10.2	338,420	55,922	237,278	459	378	277	24,440	28	47,593	56	46,311	45	138,933	136	109,049	110
HEALY LAKE*	13	43,929	40,029	24,910	11,281	76,220	48.2	35.1	13.1	26,753	8,743	14,050	282	257	1,081	1,447	111	2,824	217	513	31	1,539	92	2,391	187
HOLLIS*	68	292,651	261,983	30,454	0	292,437	18.3	7.8	10.7	22,225	2,315	19,911	359	321	293	2,051	30	4,002	59	2,620	39	7,859	116	6,751	99
HOLY CROSS	68	348,549	334,146	51,862	122,721	508,729	39.4	25.4	14.0	129,115	13,163	84,806	427	409	1,247	8,735	128	17,046	251	4,569	49	13,706	147	17,184	217
HOONAH	306	1,797,774	1,633,645	220,799	614,534	2,468,978	33.6	18.6	15.0	458,983	41,047	303,695	490	445	992	31,281	102	61,043	199	22,482	53	67,445	160	72,879	198
HOOPER BAY	205	767,744	708,441	61,184	126,200	895,825	41.3	26.5	14.8	236,946	16,183	187,383	312	288	914	19,300	94	37,664	184	8,346	35	25,039	104	31,534	156
HUGHES	32	62,401	58,837	26,632	37,482	122,951	51.2	26.7	24.6	32,766	7,097	15,680	163	153	490	1,615	50	3,152	98	963	18	2,890	55	3,420	83
HUSLIA	93	366,025	286,292	33,251	63,695	383,230	42.9	28.7	14.2	109,836	9,530	82,051	328	257	882	8,451	91	16,492	177	3,500	31	10,500	92	14,861	146
HYDABURG*	136	830,996	725,606	72,686	180,059	978,351	18.3	7.6	10.7	74,355	5,524	55,148	509	445	405	5,680	42	11,084	82	9,057	53	27,170	160	22,299	137
IGIUGIG	17	49,843	44,899	21,617	21,716	88,232	58.5	33.8	24.7	29,849	7,313	15,189	244	220	893	1,565	92	3,053	180	666	26	1,998	79	2,804	139
ILIAMNA	209	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	194,529	372	310	931	20,037	96	39,100	187	9,655	37	28,964	112	37,744	163
LAKE	272	1,608,869	1,426,908	174,330	264,270	1,865,508	33.6	18.6	15.0	346,798	32,488	266,262	493	437	975	27,322	100	53,316	198	18,912	52	50,735	157	58,206	195
KAKTOVIK	76	539,288	368,214	87,487	40,507	496,208	15.0	1.4	13.6	6,798	1,199	5,045	591	404	66	520	7	1,014	13	4,087	48	5,599	66	5,599	66
KALTAG	69	313,381	286,316	45,073	115,696	447,085	41.0	27.3	13.8	121,920	12,291	78,078	378	346	1,132	8,042	117	15,694	227	4,020	41	12,060	124	15,493	191
KARLUK*	13	49,491	45,654	12,586	9,718	67,958	53.3	31.3	22.0	21,271	3,939	14,290	317	293	1,099	1,472	113	2,872	221	554	35	1,661	105	2,485	176
KASAAH	27	128,289	107,894	35,558	2,584	146,036	33.6	18.6	15.0	27,148	6,610	20,057	390	333	743	2,066	77	4,032	149	1,105	40	3,314	120	4,053	148
KASIGLUK	99	497,189	431,393	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,805	124,759	419	363	1,260	12,850	130	25,077	253	5,098	44	15,294	131	22,157	208
KIANA	98	542,809	496,830	77,316	145,948	720,094	39.2	28.9	10.2	208,395	22,375	143,783	462	422	1,467	14,810	151	28,908	295	6,426	51	18,283	152	26,842	247
KING COVE	180	1,099,061	576,053	141,802	383,527	1,101,382	20.2	8.4	13.8	70,709	9,104	36,983	509	267	205	3,809	21	7,434	41	9,596	32	28,787	96	21,814	79
KIPNUK	130	702,495	643,284	56,140	198,477	897,901	32.0	16.1	15.9	144,652	9,044	103,633	450	412	797	10,574	82	20,830	160	8,418	49	25,253	148	26,184	171
KIVALINA	63	320,324	306,194	37,377	84,174	427,745	39.3	27.6	11.7	116,815	18,312	84,479	424	405	1,341	8,781	138	16,980	270	3,904	49	11,711	146	15,878	225
KLAWOCK	320	1,532,918	1,387,136	260,771	81,717	1,729,624	33.6	18.6	15.0	321,537	48,477	257,869	399	361	806	26,560	83	51,832	162	14,689	43	44,066	130	53,088	161
KLUKWAN	48	262,718	229,022	17,395	48,420	294,837	33.6	18.6	15.0	54,810	3,234	42,575	456	398	887	4,385	91	8,558	178	2,774	48	8,323	143	9,462	177
KOBUK	34	96,827	93,188	43,264	65,619	202,171	53.2	34.6	18.8	70,812	15,017	32,271	237	228	949	3,324	98	6,486	191	1,588	27	4,764	82	6,308	141
KOKHANOK BAY	51	156,252	151,027	26,159	51,338	228,524	55.3	29.4	25.9	67,186	7,691	44,402	255	247	871	4,573	90	8,825	175	2,824	38	6,071	89	8,318	143
KOLIGANEK	65	214,241	207,157	44,967	6,789	258,913	50.2	21.5	28.7	55,770	9,686	44,622	275	266	686	4,596	71	8,969	138	2,139	32	6,418	96	8,448	128
KONGIGANAK	85	386,805	301,937	26,770	88,545	417,252	45.2	11.3	33.9	47,149	3,025	34,119	379	296</											

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(1) COMMUNITY	(2) # of Res Cust	(3) Total kWh	(4)-(7) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercl Reqmnt (\$)	(13) PCE Resid Reqmnt (\$)	(14) Total kWh Per Resid Customer	(15) PCE kWh Per Resid Customer	(16) PCE \$ Per Year Per Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			500 Res Cap Ann Loss To Utility (\$)	500 Res Cap Ann Loss To Ave Res Cust (\$)	400 Res Cap Ann Loss To Utility (\$)	400 Res Cap Ann Loss To Ave Res Cust (\$)										1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)				
KOTLIK	123	471,235	458,156	43,887	96,102	598,145	30.2	17.2	13.0	102,881	7,549	78,803	319	310	641	8,117	66	15,839	129	5,543	37	16,628	112	18,258	133
KOTZEBUE	799	7,588,638	4,584,877	257,284	1,765,008	6,607,249	20.1	8.6	11.5	569,545	22,178	395,216	791	478	495	40,707	51	73,438	99	63,500	57	180,499	172	158,282	154
KOYUK	73	418,377	351,281	51,705	204,263	607,249	39.7	24.9	14.8	151,084	12,864	87,399	475	401	1,197	9,002	123	17,557	241	5,555	48	16,666	144	19,389	210
KOYUKUK	66	559,851	482,779	84,379	267,350	834,508	45.2	13.9	31.3	115,997	11,729	67,106	707	610	1,017	6,912	105	13,488	204	7,501	73	22,504	219	20,920	238
KWETHILUK	140	432,988	409,981	32,357	63,729	508,067	44.2	15.7	28.6	78,199	5,064	64,162	258	244	458	6,609	47	12,897	92	4,737	29	14,211	88	15,238	100
KWIGILLINGOK	78	325,822	316,049	43,925	18,716	378,690	50.2	28.4	21.8	107,586	12,479	89,790	340	338	1,151	9,248	119	18,048	231	3,348	41	10,043	122	15,293	191
LARSEN BAY	48	206,012	198,768	65,696	69,164	333,628	40.2	25.5	14.7	84,942	16,726	50,606	358	345	1,054	5,212	109	10,172	212	2,679	41	8,038	124	10,162	183
LEVELOCK	48	177,636	158,770	42,710	75,439	276,919	45.2	26.1	19.1	72,220	11,139	41,407	308	276	863	4,265	89	8,323	173	2,342	33	7,026	99	8,622	148
LOWER KALSAG	65	269,019	258,830	15,536	87,411	361,777	39.8	26.3	13.5	95,184	4,088	68,098	345	332	1,048	7,014	108	13,688	211	3,462	40	10,387	119	13,406	179
MANLEY HOT SPR	63	123,579	119,945	71,639	3,774	195,358	60.1	40.5	19.6	79,061	28,992	48,542	163	159	771	5,000	79	9,757	155	1,237	19	3,712	57	7,227	114
MANOKOTAK	98	446,344	305,099	38,044	5,321	348,464	35.2	13.5	21.7	46,938	5,125	41,097	380	259	419	4,233	43	8,260	84	3,104	31	9,313	93	9,813	99
MARSHALL	87	379,298	329,175	56,934	181,699	567,808	40.3	25.1	15.2	142,463	14,285	82,590	363	315	949	8,507	98	16,601	191	5,109	38	15,328	114	18,046	166
MCGRATH	174	878,505	788,025	197,969	322,026	1,308,020	42.6	22.9	19.8	299,013	45,256	180,143	421	377	1,035	18,555	107	36,209	208	11,101	45	33,302	136	39,132	188
MEKORYUK	79	254,951	239,436	49,378	51,699	340,511	40.0	28.4	13.6	89,861	13,030	63,187	269	253	800	6,508	82	12,701	161	2,911	30	8,734	91	11,838	137
METASTA*	31	76,936	58,747	17,912	91,358	168,017	28.6	14.4	14.2	24,194	2,579	8,460	207	158	273	871	28	1,700	55	1,501	19	4,503	57	3,752	62
MINTO	74	344,591	329,803	40,503	110,239	488,545	36.8	25.2	11.8	123,162	12,228	83,143	388	371	1,124	8,564	116	16,712	226	4,400	45	13,201	134	16,685	186
MT. VILLAGE	181	992,417	763,004	63,892	328,257	1,155,153	43.1	29.3	13.8	338,806	18,740	223,789	457	351	1,236	23,050	127	44,982	249	10,913	42	32,738	126	43,304	203
NAKNEK	685	4,303,766	2,995,839	717,825	902,420	4,616,084	20.7	6.9	13.8	316,202	49,171	205,215	524	364	300	21,137	31	41,248	60	38,883	44	118,948	131	92,931	109
NAPAKIAK	95	340,706	322,030	39,368	3,206	364,604	47.8	32.9	14.9	120,101	12,968	106,077	299	282	1,117	10,928	115	21,321	224	3,252	34	9,757	102	16,767	176
NAPASKIAK	86	312,967	262,240	36,808	13,667	312,715	45.2	19.4	25.8	60,729	7,148	50,927	303	254	592	5,245	61	10,236	119	2,759	30	8,277	91	10,223	116
NAUKATI	25	457,828	387,869	60,610	19,166	467,645	28.2	10.9	17.3	51,160	6,631	42,433	1,526	1,293	1,697	4,371	175	8,529	341	4,070	155	12,211	465	11,712	453
NELSON LAGOON	42	186,801	167,881	43,126	19,709	230,716	42.2	24.5	17.7	56,433	10,549	41,064	371	333	978	4,230	101	8,254	197	1,878	40	5,628	120	7,636	172
NEW STUYAHOK	95	549,520	469,496	37,888	104,201	611,585	39.8	32.0	7.8	195,891	12,136	150,380	482	412	1,583	15,489	163	30,226	318	5,737	49	17,211	148	25,998	252
NEWTOK	51	187,893	186,758	32,093	17,471	236,322	54.2	28.1	26.2	66,288	9,002	56,386	307	305	1,027	5,396	106	10,530	206	2,042	37	6,127	110	9,096	171
NIGHTMUTE	45	176,661	125,830	31,334	5,857	163,021	41.0	29.3	11.7	47,716	9,171	36,830	327	233	818	3,794	84	7,403	165	1,317	28	3,951	84	8,188	134
NIKOLAI	37	105,748	101,825	33,361	90,790	225,976	50.2	26.7	23.5	69,403	8,917	27,218	238	229	736	2,803	76	5,471	148	1,926	28	5,778	83	8,448	125
NIKOLSKI	14	39,992	38,065	27,919	17,178	83,162	40.2	24.0	16.2	19,967	6,703	9,139	238	227	653	941	67	1,837	131	552	27	1,657	82	1,968	116
NOATAK	95	508,470	441,155	43,959	231,272	716,386	52.8	30.4	14.4	275,092	16,880	169,404	446	387	1,783	17,449	184	34,050	358	6,724	48	20,173	139	28,988	267
NOME	1,448	8,930,527	6,335,687	783,990	2,042,310	9,161,987	18.6	4.6	14.0	418,703	35,828	289,541	514	365	200	29,823	21	58,198	40	83,780	44	251,340	131	184,331	99
NOORVIK	144	744,755	641,082	61,951	251,571	954,604	39.7	27.6	12.0	263,853	17,123	177,195	431	371	1,231	18,251	127	35,616	247	8,927	45	26,780	134	34,784	207
NORTHWAY	107	429,700	394,198	91,631	60,438	546,265	29.4	16.8	12.6	91,827	15,403	66,265	335	307	619	6,825	64	13,319	124	4,546	37	13,639	111	15,106	130
NUQSUT	86	645,028	433,971	90,777	59,100	583,848	15.0	5.1	9.9	29,776	4,630	22,133	625	421	257	2,280	27	4,449	52	4,931	50	14,792	151	11,247	117
NUILATO	100	463,349	443,533	42,034	219,067	704,634	41.3	25.4	15.9	178,766	10,664	112,524	386	370	1,125	11,590	116	22,617	226	6,626	44	19,876	133	23,928	195
NUMAPITCHUK	109	376,842	375,968	36,653	53,522	488,135	41.4	28.9	12.5	134,806	10,600	108,728	288	287	998	11,199	103	21,854	200	4,295	34	12,884	103	19,014	165
OLD HARBOR	101	300,885	26,346	370,757	39,596	436,699	41.3	28.5	12.8	124,503	105,703	7,511	314	22	74	774	8	1,510	15	659	3	1,978	8	2,038	17
LUZINKIE	79	336,420	325,312	54,299	86,339	465,950	30.2	12.1	18.1	56,240	6,554	39,265	355	343	497	4,044	51	7,892	160	4,117	41	12,350	124	11,607	125
PEDRO BAY	26	58,988	58,827	33,096	17,989	109,712	60.2	26.1	34.1	28,024	8,835	15,296	189	188	588	1,575	61	3,074	118	768	23	2,298	68	2,907	101
PELICAN	131	1,046,276	346,466	52,007	95,094	493,567	15.1	1.7	13.4	8,193	863	5,751	666	220	44	592	5	1,156	9	4,416	26	7,330	44	7,330	44
PERRYVILLE	36	157,085	106,711	31,345	0	138,056	30.2	7.0	23.2	9,719	2,207	7,512	364	247	209	774	21	1,510	42	1,067	30	3,701	89	2,688	75
PILOT POINT	42	217,372	140,353	51,327	84,817	256,497	31.9	17.0	14.9	43,630	8,731	23,874	431	270	568	2,459	59	4,799	114	2,052	33	6,155	100	6,273	118
PILOT STATION	109	534,546	455,644	36,730	113,785	606,159	41.9	27.5	14.4	168,572	10,093	125,211	409	348	1,149	12,897	118	25,167	231	5,694	42	17,083	125	21,347	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
																500 Res Cap (-10.3%) Ann Loss To	500 Res Cap (-10.3%) Ann Loss To	400 Res Cap (-20.1%) Ann Loss To	400 Res Cap (-20.1%) Ann Loss To	1.0 Cent Floor Inc. Ann. Loss to	1.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ann. Loss to	500 Res Cap & 2.0 ct fl Inc Ann Loss to	500 Res Cap & 2.0 ct fl Inc Ann Loss to
COMMUNITY	# of Res Cust.	Total kWh Residential	PCE ELIGIBLE kWh			Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Ave Res Cust (\$)	
PLATINUM	18	39,142	33,963	17,052	5,224	56,239	50.2	24.2	26.0	13,615	4,128	8,222	181	157	457	847	47	1,653	92	392	19	1,176	57	1,561	81
POINT HOPE	156	1,365,859	902,971	63,375	83,253	1,049,599	15.0	1.4	13.6	14,380	868	12,371	730	482	79	1,274	8	2,487	16	9,862	58	13,511	79	13,511	79
POINT LAY	52	294,328	246,566	63,083	19,223	328,872	15.0	5.1	9.9	16,772	3,217	12,575	472	395	242	1,295	25	2,528	49	2,658	47	7,974	142	6,103	110
PORT ALSWORTH	60	233,094	179,030	79,486	0	258,516	33.7	13.2	20.6	34,021	10,460	23,560	324	249	393	2,427	40	4,736	79	1,790	30	5,371	90	5,639	94
PORT HEIDEN	53	250,848	109,196	31,049	3,322	143,567	30.0	5.3	24.8	7,537	1,630	5,733	394	172	108	590	11	1,152	22	1,125	21	3,376	62	2,616	48
QUINHAGAK	136	533,343	487,090	66,922	175,670	729,682	39.6	24.7	14.9	180,523	16,557	120,508	327	298	886	12,412	91	24,222	178	6,628	36	19,883	107	24,664	156
RED DEVIL	13	42,165	37,414	22,315	0	59,729	59.8	40.5	19.3	24,172	9,031	15,141	270	240	1,165	1,560	120	3,043	234	374	29	1,122	86	2,231	172
RUBY	124	246,772	219,079	54,054	115,582	388,715	54.2	19.1	35.1	74,361	10,341	41,910	166	147	338	4,317	35	8,424	68	3,347	18	10,040	53	10,559	67
RUSSIAN MISSION	71	262,359	241,819	41,589	40,198	323,606	38.9	26.2	12.7	84,849	10,905	63,405	308	284	893	6,531	92	12,744	179	2,820	34	8,461	102	11,673	153
SAND POINT	271	1,381,737	1,252,933	403,947	539,200	2,196,080	28.8	19.0	9.9	416,157	76,548	237,431	425	385	876	24,455	90	47,724	176	17,921	46	53,764	139	57,717	173
SAVOONGA	147	500,866	482,331	59,695	158,553	700,579	40.3	26.7	13.6	187,335	15,962	128,975	284	273	877	13,284	90	25,924	176	6,409	33	19,227	98	25,109	149
SCAMMON BAY	94	489,038	405,722	58,594	68,921	533,237	40.4	28.3	14.1	140,081	15,393	106,583	434	360	1,134	10,978	117	21,423	228	4,746	43	14,239	129	19,635	194
SELAWIK	167	735,505	684,160	83,056	163,475	910,691	40.8	29.3	11.5	266,032	24,335	194,599	367	331	1,165	20,044	120	39,114	234	8,276	40	24,829	119	35,228	181
SHAGELUK	41	123,027	121,984	27,591	54,487	204,062	41.5	27.6	14.0	56,219	7,601	33,607	250	248	820	3,461	84	6,755	165	1,765	30	5,294	89	6,740	136
SHAKTOOLIK	53	340,315	282,277	61,665	85,934	429,876	40.3	24.8	15.5	106,609	15,293	70,005	535	444	1,321	7,210	136	14,071	265	3,682	53	11,046	160	13,993	232
SHIELDON POINT	36	85,482	85,306	26,380	48,447	160,133	50.0	14.6	35.4	23,443	3,862	12,489	198	197	347	1,286	36	2,510	70	1,338	24	4,013	71	3,788	78
SHISHIMAREF	142	609,940	501,791	51,820	182,841	736,452	38.5	25.8	12.7	190,078	13,375	129,512	358	294	912	13,340	94	26,032	183	6,848	35	20,539	106	25,999	157
SHUNGNAK	58	374,294	295,172	46,265	135,483	476,920	49.9	33.8	16.1	161,247	15,642	99,798	538	424	1,721	10,279	177	20,059	346	4,307	51	12,920	153	18,284	269
SKAGWAY*	517	2,821,030	2,021,801	753,448	658,460	3,433,789	15.6	3.1	12.5	106,447	23,357	62,678	455	326	121	6,456	12	12,598	24	26,803	39	80,410	117	55,898	83
SLEETMUTE	34	83,389	76,989	35,871	16,943	129,803	59.8	40.5	19.3	52,531	14,517	31,157	204	189	916	3,209	94	6,263	184	939	23	2,818	68	4,929	135
ST. GEORGE	55	313,714	265,408	44,854	140,172	450,434	31.7	12.6	19.1	56,620	5,638	33,362	475	402	607	3,436	62	6,706	122	4,056	48	12,167	145	11,001	141
ST. MARY'S	148	721,749	642,614	111,189	246,911	1,000,714	42.2	26.6	15.6	265,990	29,554	170,807	406	362	1,154	17,593	119	34,332	232	8,895	43	26,686	130	34,060	137
ST. MICHAEL	85	334,795	307,981	58,554	121,871	488,406	40.5	25.0	15.5	121,857	14,609	76,841	328	302	904	7,915	93	15,445	182	4,299	36	12,896	109	15,877	158
ST. PAUL	160	1,229,093	898,365	64,982	608,406	1,571,753	34.2	10.3	23.9	161,891	6,893	92,532	640	468	578	9,531	60	18,599	116	15,068	56	45,203	168	37,816	160
STEBBINS	120	442,579	411,305	59,817	156,456	627,578	39.5	24.6	14.9	154,321	14,709	101,140	307	286	843	10,417	87	20,329	169	5,678	34	17,033	103	20,925	148
STEVENS VILLAGE	44	53,793	45,597	15,464	25,364	86,425	55.2	19.1	36.1	16,490	2,951	8,700	102	86	198	896	20	1,749	40	710	10	2,129	31	2,221	39
STONY RIVER	16	40,778	33,295	24,588	22,890	80,773	59.8	40.5	19.3	32,689	9,951	13,474	212	173	842	1,388	87	2,708	169	562	21	1,686	62	2,443	124
TAKOTNA	28	84,764	73,215	36,380	46,919	156,514	48.3	15.8	32.5	24,729	5,748	11,568	252	218	413	1,192	43	2,325	83	1,201	26	3,604	78	3,443	89
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	16.9	30.1	84,393	16,529	50,680	237	225	457	5,220	47	10,187	92	4,020	27	12,061	81	12,642	96
TATILEK	30	157,029	65,744	25,740	58,383	149,867	39.2	12.4	26.8	18,598	3,194	8,159	436	183	272	840	28	1,640	55	1,241	22	3,724	66	3,187	67
TELLER	74	268,164	193,646	90,071	59,375	343,092	53.8	30.2	23.8	103,614	27,201	58,481	302	218	790	6,024	81	11,755	159	2,530	26	7,591	79	10,685	128
TENAKEE SPRINGS	86	198,687	191,597	76,222	35,669	303,488	32.2	15.1	17.1	45,857	11,517	28,950	191	186	337	2,982	35	5,819	68	2,273	22	6,818	67	7,133	75
TETLIN*	50	112,845	102,731	21,031	41,100	164,862	28.3	17.7	10.6	29,181	3,722	18,183	188	171	364	1,873	37	3,655	73	1,438	21	4,315	62	4,538	74
THORNE BAY	187	731,925	670,887	144,528	325,965	1,148,480	25.2	2.9	22.3	33,416	4,235	18,657	326	299	105	2,025	11	3,951	21	9,960	36	29,181	105	20,562	75
TOGIAK	207	987,187	638,988	86,235	375,049	1,300,272	39.4	25.3	14.1	328,839	21,809	212,180	397	338	1,025	21,855	106	42,648	206	12,140	41	36,421	122	44,407	178
TOK*	606	3,191,455	2,623,412	611,674	83,689	3,318,676	28.6	14.4	14.2	477,889	88,081	377,771	439	361	623	38,910	64	75,932	125	27,070	43	81,210	130	87,648	142
TOKSOOK BAY	103	411,637	452,541	50,688	147,755	850,984	40.5	28.3	14.2	171,144	13,326	118,973	398	366	1,155	12,254	119	23,914	232	6,003	44	18,009	137	23,328	198
TULUKSAK	70	189,882	132,986	11,522	14,628	159,136	40.2	18.4	21.8	29,329	2,124	24,509	226	158	350	2,524	36	4,926	70	1,476	19	4,428	57	5,203	70
TUNIUTULIAK	78	333,371	304,933	41,977	37,051	383,961	46.0	19.8	26.2	75,986	6,307	60,346	356	326	774	6,216	80	12,130	156	3,420	39	10,260	117	12,427	150
TUNUNAK	80	270,437	261,254	55,126	98,781	415,161	40.1	26.6	13.4	110,599	14,686	69,598	282	272	870	7,169	80	13,989	175	3,600	33	10,801	98	13,831	148
UNAIKLEET	252	1,540,738	1,000,111	162,038	445,637	1,607,786	25.5	11.2	14.2	180,715	18,213	112,412	510	331	446	11,578	48	22,595	90	14,457	40	43,372	119	38,433	117
UNALASKA	427	3,991,498	2,201,160	505,336	1,994,613	4,701,109	18.6	4.5	14.1	212,020	22,791	99,272	779	430	232	16,225	24	19,954	47	41,958	52	125,873	155	89,606	116

\* For communities marked by asterisk,  
utility rate and PCE rate are from FY96.

FY98 Unpublished PCE Statistics  
Division of Energy

April 25, 1999

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh					Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To	500 Res Cap (-10.3%) Ann Loss To	400 Res Cap (-20.1%) Ann Loss To	400 Res Cap (-20.1%) Ann Loss To	1.0 Cent Floor Inc. Ann. Loss to	1.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ann. Loss to	500 Res Cap & 2.0 ct fl inc Ann Loss to	500 Res Cap & 2.0 ct fl inc Ann Loss to
		Residential	Residential	Commer- cial	Comnty Facils	Total										Utility (\$)	Ave Res Cust (\$)	Utility (\$)	Ave Res Cust (\$)	Utility (\$)	Ave Res Cust (\$)	Utility (\$)	Ave Res Cust (\$)	Utility (\$)	Ave Res Cust (\$)
HIPPER KALSKAG	64	295,729	276,316	48,012	39,276	363,604	39.8	20.3	13.5	95,664	12,632	72,699	385	360	1,136	7,488	117	14,612	228	3,156	43	9,468	130	13,231	194
VENETIE	65	152,414	152,235	25,200	81,567	259,002	49.2	11.6	37.6	29,967	2,916	17,614	195	195	271	1,814	28	3,540	54	2,338	23	7,014	70	6,177	70
WAINWRIGHT	125	941,812	607,034	116,306	81,702	805,122	15.0	1.4	13.6	11,030	1,594	8,316	628	405	67	857	7	1,672	13	6,887	49	9,436	67	9,436	87
WALES	54	252,952	181,554	49,242	81,501	312,297	39.3	25.3	13.9	79,136	12,478	46,006	390	280	852	4,739	88	9,247	171	2,631	34	7,892	101	9,626	148
WHALE PASS	31	135,450	116,274	48,968	4,168	169,410	28.2	10.9	17.3	18,533	5,357	12,720	364	313	410	1,310	42	2,557	82	1,204	38	3,613	113	3,480	110
WHITE MOUNTAIN	61	222,287	165,044	37,604	119,266	321,914	48.2	26.7	21.5	85,919	10,037	44,050	304	225	722	4,537	74	8,854	145	2,843	27	8,529	81	9,883	123
YAKUTAT	209	2,068,333	1,363,643	254,676	439,309	2,057,628	26.9	8.5	16.4	175,516	21,724	116,319	825	544	557	11,981	57	23,380	112	19,030	65	54,089	196	45,231	174
TOTALS	24,421	128,761,280	101,023,397	19,069,797	30,187,755	150,260,949				21,857,411	2,864,240	14,663,059	439	345	600	1,510,295	62	2,947,275	121	1,311,912	41	3,895,156	123	3,912,722	138

\* For communities marked by asterisk,  
utility rate and PCE rate are from FY96.

# Fax

**To:** Mary Jackson c/o Senator John Torgerson

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**Fax:** 1-907-465-4779

---

**Pages:** 3

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**Phone:**

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**Date:** 4-23-99

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**Re:** Investments in the PCE Fund

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**CC:**

---

**Urgent**

**For Review**

**Please Comment**

**Please Reply**

**FYI**

---

**● Comments:**

Mary,

A copy of correspondence with Lamar Cotten to give some clarity (hopefully) to our plan. Also a request for specific information about the PCE fund that I can pass on to HUD. Thanks for your help.

Bruce Kovank

4300 Boniface Parkway, Anchorage, AK 99504 (907) 338-3970 (907) 338-4904 FAX

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net)

internet home page: <http://www.alaska.net/~aaha>

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# ASSOCIATION OF ALASKA HOUSING AUTHORITIES

4300 Boniface Parkway • Anchorage, AK 99504

Phone (907) 338-3970 • Fax (907) 338-4904

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net) Home Page: <http://www.alaska.net/~aaha>

April 23, 1999

*Alaska Housing  
Finance Corporation*

*Alutian  
Housing Authority*

*Association of Village  
Council Presidents Regional  
Housing Authority*

*Barrow Island  
Housing Authority*

*Bering Straits Regional  
Housing Authority*

*Bristol Bay  
Housing Authority*

*Cook Inlet  
Housing Authority*

*Copper River Basin  
Regional Housing Authority*

*Interior Regional  
Housing Authority*

*Kodiak Island  
Housing Authority*

*Metlakatla  
Housing Authority*

*North Pacific Rim  
Housing Authority*

*Northwest Inupiat  
Housing Authority*

*Togiak  
Nanaima (TNHA)*

*Tlingit-Haida Regional  
Housing Authority*

Lamar Cotten, Deputy Commissioner  
Alaska Department of Community & Regional Affairs  
P.O. Box 12100  
Juneau, AK 99811-2100

Re: Power Cost Equalization

Dear Lamar,

Following up on this morning's conversation, here are some ideas on the mechanics of the Regional Housing Authorities' participation and support for the PCE program.

The most important ingredient in the plan is the "PCE Fund". Whether the existing system will work or a new "fund" is required depends on how well the RHA needs can be met:

- The "fund" must be able to segregate principle and earnings.
- The "fund" must be able to accept transfers of principle as investments from the RHAs, utilities, public corporations, and others (how about PERS??). (To avoid misunderstanding, I am not using the word contribution.) Those investments must be liquid and flexible so that transfers in and out of the fund by the RHAs can be done easily and quickly (one day is the federal standard for liquidity).
- The "fund" must pass muster as an acceptable investment for federal funds. Guidelines for those requirements are included in HUD's PIH 96-33 as Attachment A: "HUD Approved Investment Instruments".

The dates of availability of NAHASDA funds to the RHAs depends upon their individual fiscal year. We have RHAs with fiscal year ends in Sep, Dec, and Mar. Transfers into the "fund" are likely to be made around these times and transfers out of the fund will be made throughout the year. The AAHA plan estimates an average invested balance of \$80 million after the first year or so of implementation. There will be a start-up period and we expect that less than

\$4.8 million can be earned for FY00. Based on the progressive availability of NAHASDA funds for investments, I estimate that \$1.5 million will be a reasonable target for the first year ending June 30, 2000.

Earnings from the investment of these funds are available to support the PCE program. I expect that the "fund" is administered by the State of Alaska, although a bank or other financial institution with "trust" expertise might be a reasonable approach. The most important criteria for the administration of the "fund" is the safety of the investment.

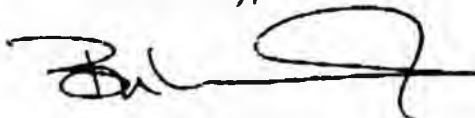
The best approach to the program that I can envision is an incentive-driven arrangement with all of the sources of funding for PCE. To the extent that the RHA investment exceeds estimates or performance of the fund increases earnings, a greater benefit will be available to rural residential customers.

We expect that if approved and implemented, this plan would have a "bandwagon" effect with other federal, state, and quasi-public sources jumping on. An important expectation from us is that this effort is supported by a commitment from the State to continue the program, to permanently endow the fund, and to continue to seek parity between urban and rural ratepayers.

These are some additional thoughts about our plan on a pleasant Friday afternoon. As you need additional information, please contact me. I will be in Bethel next Tuesday through Thursday, but available by voice-mail or e-mail. I will benefit by receiving from the Department as much detail about the PCE fund as seems relevant for our needs. To facilitate moving this plan along, I intend to seek a direct determination from HUD that investments in the Alaska PCE fund are acceptable for NAHASDA funds. Your help will be appreciated.

Have a good weekend. I am available either at this office or my home phone in Eagle River at 896-7424.

Sincerely,



Bruce Kovarik  
Executive Director

Enclosure - HUD PIH 96-33

Pc: AAHA Members/Executive Directors  
Senator John Torgerson  
PCE File  
Chron

**A Fax From The  
Department of Community & Regional Affairs  
Division of Energy**

**Mailing Address:**  
333 West 4th Avenue, Suite 220  
Anchorage, AK 99501-2341

**Physical Address:**  
333 West 4th Avenue, Suite 220  
Anchorage, AK 99501-2341

**Main Telephone Number: (907) 269-4625**

**Director's Fax Number: (907) 269-4645**

**Engineering Fax Number: (907) 269-4685**

Deliver Fax to: Sen. Pergerson's Ofc. / Mary Johnson  
Company Name: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
Fax Phone #: 465-4779  
Sender: Dick Emerman  
Sender's Phone #: 269-4644  
# of Pages Sent: 5 (Includes this cover page)  
Date Fax Sent: 4/23

**If you don't receive all of this fax, please call the sender  
DIRECTLY at the phone number listed above.**

**SPECIAL INSTRUCTIONS TO FAX RECIPIENT:**

Earlier this morning, you asked me to  
add a "400 cap" case to this spreadsheet.  
Results are attached.  
(P.S. This is not part of the material to be provided  
on Monday).

April 23, 1999

**Examples of Impact on Annual Residential Bill  
Hypothetical Households in Bethel and Holy Cross**

- 6 residential customers are profiled on the attached spreadsheet, 3 from Bethel and 3 from Holy Cross (AVEC). In Bethel, average annual usage is higher and rates are lower. A seasonal pattern of usage has been assumed – January usage is twice as high as June and July.
- The utility rates and PCE rates used in the spreadsheet were taken from the FY96 PCE statistical report.
- The spreadsheet calculates the annual amount paid by these consumers net of PCE subsidy under the following sets of assumptions:
  - a. 700 kWh cap; no change to PCE floor.
  - b. 700 kWh cap; floor increased by 3.0 cents.
  - c. 500 kWh cap; no change to PCE floor.
  - d. 500 kWh cap; floor increased by 3.0 cents.
  - e. 400 kWh cap; no change to PCE floor.
  - f. 400 kWh cap; floor increased by 3.0 cents.

The results can be summarized as follows:

**Annual Amount Paid by Consumer  
(i.e. After PCE Subsidy is Deducted)**

	Annual Usage (kWh)	700 Cap Old Floor	700 Cap Higher Floor	500 Cap Old Floor	500 Cap Higher Floor	400 Cap Old Floor	400 Cap Higher Floor
Bethel A	4,000	\$556	\$676	\$556	\$676	567	684
Bethel B	5,000	695	845	709	855	751	893
Bethel C	6,000	836	1,015	890	1,052	954	1,096
Holy Cross D	3,000	513	603	513	603	513	603
Holy Cross E	4,000	684	804	684	804	716	832
Holy Cross F	5,000	855	1,005	895	1,040	1,014	1,146

**Increased Annual Cost to Consumer  
(Relative to Base – 700 Cap and Old Floor)**

	Annual Usage (kWh)	700 Cap Old Floor	700 Cap Higher Floor	500 Cap Old Floor	500 Cap Higher Floor	400 Cap Old Floor	400 Cap Higher Floor
Bethel A	4,000	Base	\$120	\$0	\$120	11	128
Bethel B	5,000	Base	150	14	160	56	188
Bethel C	6,000	Base	179	54	216	118	260
Holy Cross D	3,000	Base	90	0	90	0	90
Holy Cross E	4,000	Base	120	0	120	32	148
Holy Cross F	5,000	Base	150	40	185	159	291

# Examples of Impact on Annual Residential Bill Hypothetical Households in Bethel and Holy Cross

	Bethel	Holy Cross (AVEC)
Utility Rate	23.3	43.6
PCE Rate	9.4	26.5
Effective Rate	13.9	17.1

	% of annual usage	Bethel Total Consumption (kWh)			Holy Cross (AVEC) Total Consumption (kWh)		
		A	B	C	D	E	F
Jan	12.0%	480	600	720	360	480	600
Feb	10.0%	400	500	600	300	400	500
Mar	9.0%	360	450	540	270	360	450
Apr	7.0%	280	350	420	210	280	350
May	7.0%	280	350	420	210	280	350
Jun	6.0%	240	300	360	180	240	300
Jul	6.0%	240	300	360	180	240	300
Aug	7.0%	280	350	420	210	280	350
Sep	7.0%	280	350	420	210	280	350
Oct	9.0%	360	450	540	270	360	450
Nov	9.0%	360	450	540	270	360	450
Dec	11.0%	440	550	660	330	440	550
<b>Total Annual Usage</b>		<b>4000</b>	<b>5000</b>	<b>6000</b>	<b>3000</b>	<b>4000</b>	<b>5000</b>

	Bethel PCE Eligible Consumption (700 kWh monthly cap)			Holy Cross (AVEC) PCE Eligible Consumption (700 kWh monthly cap)		
	A	B	C	D	E	F
Jan	480	600	700	360	480	600
Feb	400	500	600	300	400	500
Mar	360	450	540	270	360	450
Apr	280	350	420	210	280	350
May	280	350	420	210	280	350
Jun	240	300	360	180	240	300
Jul	240	300	360	180	240	300
Aug	280	350	420	210	280	350
Sep	280	350	420	210	280	350
Oct	360	450	540	270	360	450
Nov	360	450	540	270	360	450
Dec	440	550	660	330	440	550

### RESULTS - 700 Cap, No Change to Floor

PCE Eligible Annual Usag	4000	5000	5980	3000	4000	5000
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$376	\$470	\$562	\$785	\$1,060	\$1,325
Annual Pmt by Consumer	\$556	\$695	\$836	\$513	\$684	\$855

### RESULTS - 700 Cap, Floor Increased by 3.0 Cents

PCE Eligible Annual Usag	4000	5000	5980	3000	4000	5000
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$256	\$320	\$383	\$705	\$940	\$1,175
Annual Pmt by Consumer	\$676	\$845	\$1,015	\$603	\$804	\$1,005

## Examples of Impact on Annual Residential Bill Hypothetical Households in Bethel and Holy Cross

	Bethel	Holy Cross (AVEC)
Utility Rate	23.3	43.6
PCE Rate	9.4	26.5
Effective Rate	13.9	17.1

	PCE Eligible Consumption (500 kWh monthly cap)			PCE Eligible Consumption (500 kWh monthly cap)		
	A	B	C	D	E	F
Jan	480	500	500	360	480	500
Feb	400	500	500	300	400	500
Mar	360	450	500	270	360	450
Apr	280	350	420	210	280	350
May	280	350	420	210	280	350
Jun	240	300	360	180	240	300
Jul	240	300	360	180	240	300
Aug	280	350	420	210	280	350
Sep	280	350	420	210	280	350
Oct	360	450	500	270	360	450
Nov	360	450	500	270	360	450
Dec	440	500	500	330	440	500

### RESULTS - 500 Cap, No Change to Floor

PCE Eligible Annual Usag	4000	4850	5400	3000	4000	4850
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$376	\$456	\$508	\$795	\$1,060	\$1,285
Annual Pmt by Consumer	\$556	\$709	\$890	\$513	\$684	\$895

### RESULTS - 500 Cap, Floor Increased by 3.0 Cents

PCE Eligible Annual Usag	4000	4850	5400	3000	4000	4850
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$256	\$310	\$346	\$705	\$940	\$1,140
Annual Pmt by Consumer	\$676	\$855	\$1,052	\$603	\$804	\$1,040

## Examples of Impact on Annual Residential Bill Hypothetical Households in Bethel and Holy Cross

	Bethel	Holy Cross (AVEC)
Utility Rate	23.3	43.6
PCE Rate	9.4	26.5
Effective Rate	13.9	17.1

	PCE Eligible Consumption (400 kWh monthly cap)			PCE Eligible Consumption (400 kWh monthly cap)		
	A	B	C	D	E	F
Jan	400	400	400	360	400	400
Feb	400	400	400	300	400	400
Mar	360	400	400	270	360	400
Apr	280	350	400	210	280	350
May	280	350	400	210	280	350
Jun	240	300	360	180	240	300
Jul	240	300	360	180	240	300
Aug	280	350	400	210	280	350
Sep	280	350	400	210	280	350
Oct	360	400	400	270	360	400
Nov	360	400	400	270	360	400
Dec	400	400	400	330	400	400

### RESULTS - 400 Cap, No Change to Floor

PCE Eligible Annual Usag	3880	4400	4720	3000	3880	4400
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$365	\$414	\$444	\$795	\$1,028	\$1,166
Annual Pmt by Consumer	\$567	\$751	\$954	\$513	\$716	\$1,014

### RESULTS - 400 Cap, Floor Increased by 3.0 Cents

PCE Eligible Annual Usag	3880	4400	4720	3000	3880	4400
Annual Bill Without PCE	\$932	\$1,165	\$1,398	\$1,308	\$1,744	\$2,180
Annual PCE Subsidy	\$248	\$282	\$302	\$705	\$912	\$1,034
Annual Pmt by Consumer	\$684	\$883	\$1,096	\$603	\$832	\$1,146

# MEMORANDUM

State of Alaska

Department of Community & Regional Affairs

**TO:** Percy Frisby, Director  
Division of Energy

**DATE:** April 26, 1999

**FROM:** Dick Emerman  
Planner IV

**SUBJECT:** PCE Spreadsheets  
for Senate Finance

Attached are PCE spreadsheets requested last week by Senator Kelly. Both contain identical information except that one is sorted alphabetically by community and the other is sorted by PCE rate, from lowest to highest.

Except in a few cases as noted on the spreadsheets, the data on total and PCE-eligible consumption is for FY98 while the utility rates and PCE rates are current as of April 1999. The data is unpublished and has not been thoroughly verified. However, we did spend several hours looking for, and where possible correcting, entries that appeared questionable, and we also made sure that the totals shown on page 5 of the spreadsheets were close to the amounts that we would expect to see.

The following brief explanations correspond to selected column numbers on the spreadsheets:

Column 9: The PCE rate shown here is not "pro-rated." It represents the full PCE rate that would currently be paid if the program were fully funded.

Column 11: This is the full annual amount that would be paid for each community if PCE were fully funded, given today's PCE rates and FY98 PCE-eligible consumption for all customer classes. As shown on the "Total" line on page 5, the total "PCE formula requirement" would be \$21.9 million.

Column 12: This is the full funding requirement for commercial customers under the present PCE formula. As shown on the "Totals" line, \$2.9 million would be cut from the full formula requirement if commercial customers were removed from PCE eligibility.

Column 14: This is the average monthly consumption for residential customers in each community – including both PCE-eligible usage plus usage that is above the PCE cap and not eligible for PCE subsidy. It is based on kWh sales data and customer counts reported by each utility. As shown on the "Totals" line, the average monthly consumption among all PCE-eligible households is 439 kWh, which suggests gradual growth compared to historical averages.

Column 15: This is the average monthly consumption per household that is PCE-eligible (i.e. that falls within the monthly cap). Across all of the communities, the PCE-eligible consumption is 345 kWh per month.

Column 16: This column shows the annual amount that the average residential customer would receive in PCE subsidy in each community if the PCE formula were fully funded. Some entries look out of line – for example, Chalkyitsik and Chignik Lake both show annual subsidies that are far above the other communities. Their reported kWh consumption figures may be high. In total, however, the average PCE subsidy per household shown on page 5 – \$600 per year – is in line with prior experience.

Column 17: This shows the annual reduction in the PCE "full formula requirement" for each utility if the monthly residential cap were reduced from 700 kWh to 500 kWh. For this case and for the others examined on the spreadsheet, a lower cap does not affect commercial customers based on the assumption that they have already been removed from PCE eligibility.

The estimate is ultimately based on 10-year old research indicating that a cap reduction to 500 kWh would reduce PCE-eligible kWh for residential customers by 10.1% overall. Since total consumption per household has gradually increased over the years, this estimate may be low. Based on that estimate, however, the associated reduction in the annual "formula requirement" would be \$1.5 million.

Column 18: This shows the annual reduction in the PCE subsidy requirement for the average residential customer in each community if the cap is lowered to 500 kWh per month. Across all of the communities, that average reduction is \$62 per year.

Col. 19-20: These columns provide the same information for a cap reduction to 400 kWh per month. The 20.1% factor is derived from the same 10-year old research and may again be somewhat low due to intervening growth in consumption per household.

Col. 21-22: These columns show the impact of increasing the PCE floor by 1.0 cent without changing the monthly residential cap. They assume that commercial customers have already been removed from eligibility. The increase in the floor (and the resulting decrease in the PCE rate) is therefore applied to residential customers and community facilities. The total estimated reduction in the PCE formula requirement is \$1.3 million, and the estimated reduction in the average PCE requirement per residential customer is \$41 per year.

Col. 25-26: These columns show the combined impact of reducing the monthly residential cap to 500 kWh and increasing the PCE floor by 2.0 cents.

Percy Frisby  
April 26, 1999  
Page 3

The loss to the utility is calculated by comparing the full formula requirement today for residential and community facility customers with the amount these customers would receive in total if the PCE rate and the monthly residential cap were both cut.

I did not present additional cases and combinations due to limited space on the spreadsheet page. Such cases can be provided in short order on additional spreadsheets – please let me know if there are other variations that you would like to see.

Attachment as stated.

FY98 Unpublished PCE Statistics  
Division of Energy

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh		PCE ELIGIBLE kWh			Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqrmt (\$)	PCE Commercl Reqrmt (\$)	PCE Resld Reqrmt (\$)	Total kWh Per Mo. Per Resld Customer	PCL kWh Per Mo. Per Resld Customer	PCE \$ Per Year Per Resld Customer	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Ave Res Cust (\$)
		Residential	Residential	Commercl	Comnly Facils	Total										Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)
KAKTOVIK	76	539,288	368,214	87,487	40,507	496,208	15.0	1.4	13.6	6,798	1,199	5,045	591	404	66	520	7	1,014	13	4,087	48	5,599	66	5,599	66
POINT HOPE	156	1,365,859	902,971	63,375	83,253	1,049,599	15.0	1.4	13.6	14,380	868	12,371	730	482	79	1,274	8	2,487	16	9,862	58	13,511	79	13,511	79
WAINWRIGHT	125	941,812	607,034	116,386	81,702	805,122	15.0	1.4	13.5	11,036	1,594	8,346	628	405	67	857	7	1,672	13	6,887	49	9,438	67	9,438	67
PELICAN	131	1,046,276	346,466	52,007	95,094	493,567	15.1	1.7	13.4	8,193	863	5,751	668	220	44	592	5	1,156	9	4,418	26	7,330	44	7,330	44
THORNE BAY	187	731,925	670,887	144,528	325,065	1,140,480	25.2	2.9	22.3	33,416	4,235	19,657	326	299	105	2,025	11	3,951	21	9,960	36	29,181	105	20,562	75
SKAGWAY*	117	2,821,030	2,021,881	753,448	658,460	3,433,789	15.6	3.1	12.5	106,447	23,357	62,678	455	326	121	6,456	12	12,598	24	26,803	39	80,410	117	55,898	83
UNALASKA	427	3,991,498	2,201,160	505,336	1,994,613	4,701,109	18.6	4.5	14.1	212,020	22,791	99,272	779	430	232	10,225	24	19,954	47	41,958	52	125,873	155	89,606	116
NOME	1,448	8,930,527	6,335,687	783,990	2,042,310	9,161,987	18.6	4.6	14.0	418,703	35,828	289,541	514	365	200	29,823	21	58,198	40	83,780	44	251,340	131	184,331	89
ANAKTUVUK PASS	81	515,536	349,449	76,954	20,880	447,283	15.0	5.1	9.9	22,811	3,925	17,822	530	360	220	1,836	23	3,582	44	3,703	43	11,110	129	8,522	100
ATQASUK	50	408,924	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,485	13,956	682	456	279	1,437	29	2,805	56	3,123	55	9,369	164	7,119	127
NUQSUT	86	645,028	433,971	90,777	59,100	583,848	15.0	5.1	9.9	29,776	4,630	22,133	625	421	257	2,200	27	4,449	52	4,931	50	14,792	151	11,247	117
POINT LAY	52	294,328	246,566	63,083	19,223	328,872	15.0	5.1	9.9	16,772	3,217	12,575	472	395	242	1,295	25	2,528	49	2,650	47	7,974	142	6,103	110
GORT HEIDEN	53	250,848	109,196	31,049	3,322	143,567	30.0	5.3	24.8	7,537	1,630	5,733	394	172	108	590	11	1,152	22	1,125	21	3,376	62	2,618	48
HAINES*	850	4,721,725	3,889,801	916,755	741,307	5,547,863	16.3	6.1	10.2	338,420	55,922	237,278	459	378	277	24,440	28	47,693	56	46,311	45	138,933	136	109,049	110
KING COVE	180	1,093,061	576,053	141,802	383,527	1,101,382	20.2	8.4	13.8	70,709	9,104	36,983	509	267	205	3,809	21	7,434	41	9,596	32	28,787	96	21,814	79
NAKNEK	685	4,303,766	2,995,839	717,825	902,420	4,616,084	20.7	6.9	13.8	316,202	49,171	205,215	524	364	300	21,137	31	41,248	60	38,983	44	116,948	131	82,931	109
PERRYVILLE	36	157,085	106,711	31,345	0	138,056	30.2	7.0	23.2	9,719	2,207	7,512	364	247	209	774	21	1,510	42	1,067	30	3,201	89	2,688	75
CRAIG*	697	4,312,545	3,456,048	849,469	1,249,625	5,555,142	18.3	7.6	10.7	422,191	64,560	262,660	516	413	377	27,054	39	52,795	76	47,057	50	141,170	149	114,048	128
HOLLIS*	68	292,651	261,983	30,454	0	292,437	18.3	7.6	10.7	22,225	2,315	19,911	359	321	293	2,051	30	4,002	59	2,620	39	7,859	116	6,751	99
HYDABURG*	136	830,996	725,606	72,686	180,059	978,351	18.3	7.6	10.7	74,355	5,524	55,146	509	445	405	5,680	42	11,084	82	9,057	53	27,170	160	22,299	137
DILLINGHAM	956	5,789,308	4,674,129	893,861	813,379	6,381,369	18.9	8.1	10.8	517,529	72,492	378,072	505	407	397	39,044	41	76,193	80	54,875	49	164,625	147	139,188	120
CORDOVA	966	5,599,965	4,774,565	1,150,713	1,801,017	7,826,295	18.5	8.4	10.1	657,409	96,660	401,063	483	412	415	41,310	43	80,814	83	68,756	49	200,287	148	164,986	131
GALENA	211	850,869	757,145	186,136	261,766	1,205,047	32.2	8.4	23.8	101,465	15,673	63,752	336	299	302	6,566	31	12,814	61	10,189	36	30,567	108	25,385	95
YAKUTAT	209	2,068,333	1,363,643	254,676	439,309	2,057,628	26.9	8.5	18.4	175,516	21,724	116,319	825	544	557	11,981	57	23,380	112	18,030	65	54,089	196	45,231	174
KOTZERUE	799	7,589,638	4,584,877	257,284	1,765,088	6,607,249	20.1	8.6	11.5	569,545	22,178	395,216	791	478	495	40,707	51	79,438	99	63,500	57	190,499	172	158,262	154
BETHEL	1,922	11,040,940	8,152,156	921,357	1,524,587	10,598,100	21.6	8.8	12.8	933,693	81,172	718,205	479	353	371	73,975	38	144,359	75	96,767	42	290,302	127	250,717	115
CHEFORNAK	76	387,599	320,996	39,536	19,544	379,076	34.2	9.1	25.1	34,534	3,602	29,243	425	352	385	3,012	40	5,878	77	3,395	42	10,186	127	9,142	115
ST PAUL	160	1,229,093	898,36*	64,982	808,408	1,571,753	34.2	10.3	23.9	161,891	6,693	92,532	640	488	578	9,531	60	18,599	116	15,068	56	45,203	168	37,816	160
BUCKLAND	80	379,883	326,95	37,251	95,031	459,237	37.0	10.8	26.2	49,552	4,019	35,278	396	341	441	3,634	45	7,091	89	4,220	41	12,660	123	11,400	119
COFFMAN COVE	112	542,204	445,030	67,333	75,894	588,257	28.2	10.9	17.3	64,355	7,366	48,686	483	331	435	5,015	45	9,786	87	5,209	40	15,628	119	14,516	116
NAUKATI	25	457,828	387,069	60,610	19,166	467,645	28.2	10.9	17.3	51,160	6,631	42,433	1,526	1,293	1,697	4,371	175	8,529	341	4,070	155	12,211	465	11,712	453
WHALE PASS	31	135,450	116,274	48,968	4,168	169,410	28.2	10.9	17.3	18,533	5,357	12,720	364	313	410	1,310	42	2,557	82	1,204	38	3,613	113	3,480	110
AKIAK	83	232,885	153,892	17,670	1,657	173,219	39.2	11.0	28.2	19,054	1,944	16,928	234	155	204	1,744	21	3,403	41	1,555	19	4,666	56	4,538	54
CHIIGNIK LAGOON	75	223,636	197,539	35,450	25,037	258,026	37.0	11.1	25.9	28,383	3,924	21,868	248	219	292	2,252	30	4,395	59	2,226	26	6,677	79	6,297	77
UNALAKLEET	252	1,540,738	1,000,111	162,038	445,637	1,607,786	25.5	11.2	14.2	180,715	18,213	112,412	510	331	446	11,578	46	22,595	90	14,457	40	43,372	119	38,433	117
KONGIGANAK	85	366,805	301,937	26,770	88,545	417,252	45.2	11.3	33.9	47,149	3,025	34,118	379	286	401	3,514	41	6,858	81	3,905	36	11,714	107	10,702	104
VENETIE	65	152,414	152,235	25,200	81,567	259,002	49.2	11.6	37.8	29,967	2,916	17,614	195	195	271	1,814	28	3,540	54	2,338	23	7,814	78	6,177	70
ELFIN COVE	30	118,481	104,774	101,037	18,980	224,791	22.6	11.8	10.8	26,503	11,912	12,353	320	291	412	1,272	42	2,483	83	1,238	35	3,713	105	3,532	105
FALSE PASS	24	87,941	86,241	35,159	39,176	160,576	42.2	12.0	36.2	19,289	4,219	10,349	305	299	431	1,066	44	2,080	87	1,254	36	3,763	108	3,397	108
OUZINKIE	79	336,420	325,312	54,299	80,339	465,950	30.2	12.1	18.1	56,240	6,554	39,265	355	343	497	4,044	51	7,892	100	4,117	41	12,350	124	11,607	125
TATILEK	30	157,029	65,744	25,740	58,383	149,867	39.2	12.4	26.8	18,598	3,194	8,159	436	183	272	840	20	1,640	55	1,241	22	3,724	66	3,187	67
ST GEORGE	55	313,714	265,408	44,854	140,172	450,434	31.7	12.6	19.1	56,620	5,638	33,362	475	402	607	3,436	62	6,706	122	4,056	48	12,167	145	11,001	149

\* For communities marked by asterisk, utility rate and PCE rate are from FY96

FY98 Unpublished PCE Statistics  
Division of Energy

April 25, 1999

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust	Total kWh		PCE ELIGIBLE kWh			Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Resid Customer	PCE kWh Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To	500 Res Cap (-10.3%) Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To	400 Res Cap (-20.1%) Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to	1.0 Cent Floor Inc. Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to	500 Res Cap & 2.0 ct fl inc Ave Res Cust (\$)
		Residential	Residential	Commer- cial	Comny Facs	Total										Utility (\$)	Ann Loss To	Ann Loss To	Ann Loss To	Ann Loss to	Ann Loss to	Ann Loss to	Ann Loss to		
CHIGNIK	64	243,693	219,887	50,577	94,127	364,591	28.0	12.7	15.3	46,376	6,433	27,970	317	286	437	2,881	45	5,622	88	3,140	34	9,420	103	8,708	107
PORT ALSWORTH	60	233,094	179,030	79,466	0	258,516	33.7	13.2	20.6	34,021	10,460	23,560	324	249	393	2,427	40	4,736	79	1,790	30	5,371	90	5,639	84
MANOKOTAK	98	446,344	305,099	38,044	5,321	348,464	35.2	13.5	21.7	46,938	5,125	41,097	380	259	419	4,233	43	8,260	84	3,104	31	9,313	93	9,813	89
AKHIOK	34	138,740	126,855	11,365	75,011	213,231	38.2	13.7	24.6	29,108	1,551	17,316	340	311	509	1,784	52	3,480	102	2,019	37	6,056	112	5,560	119
KOYUKUK	66	559,851	482,779	84,379	267,350	834,508	45.2	13.9	31.3	115,997	11,729	67,106	707	610	1,017	6,912	105	13,488	204	7,501	73	22,504	219	20,920	236
DOT LAKE*	27	107,167	104,416	54,251	33,520	192,187	28.6	14.4	14.2	27,675	7,812	15,036	331	322	557	1,549	57	3,022	112	1,379	39	4,138	116	4,092	127
MENTASTA*	31	76,936	58,747	17,912	91,358	168,017	28.6	14.4	14.2	24,194	2,579	8,460	207	158	273	871	28	1,700	55	1,501	19	4,503	57	3,752	62
TOK*	606	3,191,455	2,623,412	611,674	83,589	3,318,675	28.6	14.4	14.2	477,889	88,081	377,771	439	361	623	38,910	64	75,932	125	27,070	43	81,210	130	87,646	142
SHELDON POINT	36	85,482	85,306	26,380	48,447	160,133	50.0	14.6	35.4	23,443	3,862	12,489	198	197	347	1,286	36	2,510	70	1,338	24	4,013	71	3,786	78
TENAKEE SPRINGS	86	196,687	191,597	76,222	35,669	303,488	32.2	15.1	17.1	45,857	11,517	28,950	191	186	337	2,982	35	5,819	68	2,273	22	6,818	67	7,133	75
ATMAUTLUAK	56	239,798	194,925	31,530	11,413	237,868	47.0	15.2	31.9	38,037	4,777	29,531	357	290	527	3,042	54	5,936	108	2,063	35	6,190	104	6,787	117
KWETHLUK	140	432,988	409,981	32,357	63,729	508,067	44.2	15.7	28.6	79,199	5,064	64,182	258	244	458	6,609	47	12,897	92	4,737	29	14,211	88	15,238	100
TAKOTNA	28	84,764	73,215	36,380	46,919	156,514	48.3	15.8	32.5	24,729	5,748	11,568	252	218	413	1,192	43	2,325	83	1,201	26	3,604	78	3,443	89
FORT YUKON	229	770,991	709,801	155,976	197,091	1,062,868	48.1	16.0	30.1	169,846	24,925	113,426	281	258	495	11,683	51	22,799	100	9,069	31	27,207	93	28,359	107
KIPNUK	130	702,495	643,204	56,140	198,477	897,901	32.0	16.1	15.9	144,652	9,044	103,633	450	412	797	10,674	82	20,830	160	8,418	49	25,253	148	28,184	171
ATKA	28	147,634	95,240	29,851	42,625	167,716	38.2	16.3	21.9	27,338	4,866	15,524	439	283	554	1,599	57	3,120	111	1,379	34	4,138	102	4,160	118
CHITINA	26	102,017	86,682	85,596	13,496	185,774	36.8	16.4	20.4	30,541	14,072	14,251	327	278	548	1,468	56	2,864	110	1,002	33	3,005	100	3,293	116
NORTHWAY	107	429,700	394,198	91,631	60,436	546,265	29.4	16.8	12.8	91,827	15,403	66,265	335	307	619	6,825	64	13,319	124	4,546	37	13,639	111	15,108	130
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	16.9	30.1	84,393	16,529	50,680	237	225	457	5,220	47	10,187	92	4,020	27	12,061	81	12,642	96
PILOT POINT	42	217,372	140,353	51,327	64,817	256,497	31.9	17.0	14.9	43,630	8,731	23,874	431	278	568	2,459	59	4,799	114	2,052	33	6,155	100	6,273	118
KOTLIK	123	471,235	458,156	43,887	96,102	598,145	30.2	17.2	13.0	102,881	7,549	78,803	319	310	641	8,117	66	15,839	129	5,543	37	16,628	112	18,258	133
TETLIN*	50	112,845	102,731	21,031	41,100	164,862	28.3	17.7	10.8	29,181	3,722	18,183	188	171	364	1,873	37	3,655	73	1,438	21	4,315	62	4,538	74
ARCTIC VILLAGE	82	99,782	92,007	14,398	51,983	158,388	59.8	18.2	41.7	28,747	2,613	16,099	101	94	204	1,720	21	3,357	41	1,440	11	4,320	34	4,410	41
TULUKSAK	70	189,882	132,986	11,522	14,628	159,136	40.2	18.4	21.8	29,329	2,124	24,509	226	158	350	2,524	36	4,926	70	1,478	19	4,428	57	5,203	70
ANGOON	198	1,081,965	827,852	93,849	144,228	1,065,929	33.6	18.6	15.0	198,156	17,447	153,898	455	348	777	15,851	80	30,933	156	9,721	42	29,162	125	33,588	155
CHILKAT VALLEY	141	411,681	389,000	64,463	83	453,546	33.6	18.6	15.0	84,314	11,984	72,315	243	230	513	7,448	53	14,535	103	3,891	28	11,672	83	14,429	102
HOONAH	306	1,797,774	1,633,645	220,799	614,534	2,460,978	33.6	18.6	15.0	458,983	41,047	303,695	490	445	992	31,281	102	61,043	199	22,482	53	67,445	160	72,879	186
KAKE	272	1,608,069	1,428,908	174,330	284,270	1,885,508	33.6	18.6	15.0	346,798	32,408	265,262	493	437	975	27,322	100	53,318	196	16,912	52	50,735	157	58,208	195
KASAAN	27	126,289	107,894	35,558	2,584	146,036	33.6	18.6	15.0	27,148	6,610	20,057	390	333	743	2,066	77	4,032	149	1,105	40	3,314	120	4,053	148
KLAWOCK	320	1,532,918	1,387,136	260,771	81,717	1,729,624	33.6	18.6	15.0	321,537	48,477	257,869	399	361	806	26,560	83	51,832	162	14,689	43	44,066	138	53,080	161
KLUKWAN	48	262,718	229,822	17,395	48,428	294,837	33.8	18.6	15.0	54,810	3,234	42,575	456	398	887	4,385	91	8,558	178	2,774	48	8,323	143	9,462	177
SAND POINT	271	1,381,737	1,252,933	403,947	539,200	2,196,080	28.8	19.0	9.9	416,157	76,548	237,431	425	385	876	24,455	90	47,724	176	17,921	48	53,764	139	57,717	173
STEVENS VILLAGE	44	53,793	45,597	15,464	25,364	86,425	55.2	19.1	36.1	16,490	2,951	8,700	102	86	198	896	20	1,749	46	716	10	2,129	31	2,221	38
RUBY	124	246,772	219,079	54,054	115,582	388,715	54.2	19.1	35.1	74,381	10,341	41,910	166	147	338	4,317	35	8,424	68	3,347	18	10,040	53	10,559	67
NAPASKIAK	86	312,967	262,240	36,808	13,667	312,715	45.2	19.4	25.8	60,729	7,148	50,927	303	254	592	5,245	61	10,236	119	2,759	30	8,277	91	10,223	116
CHENEGA BAY	24	80,105	77,908	31,862	29,801	139,571	29.7	19.6	18.1	27,356	6,245	15,270	278	271	636	1,573	66	3,069	128	1,077	32	3,231	97	3,566	124
CHISTOCHINA*	23	91,230	00,096	56,091	8,965	145,152	36.8	19.7	17.1	28,595	11,050	15,779	331	290	686	1,625	71	3,172	138	891	35	2,672	104	3,241	133
TUNUTULIAK	78	333,371	304,933	41,977	37,051	383,961	46.0	19.0	26.2	75,986	8,307	60,346	358	326	774	6,216	80	12,130	156	3,420	39	10,260	117	12,427	150
EKWOK	48	164,419	160,223	32,125	28,480	220,828	48.2	21.8	19.2	46,418	6,753	33,679	285	278	702	3,489	72	6,769	141	1,887	33	5,661	100	6,913	137
KOLIGANEK	65	214,241	207,157	44,967	6,789	258,913	50.2	21.5	28.7	55,770	9,686	44,622	275	266	686	4,596	71	8,969	138	2,139	32	6,418	96	8,448	128
AKUTAN	35	155,454	147,225	59,134	133,105	339,464	32.5	22.4	10.1	76,040	13,246	32,978	370	351	942	3,397	97	6,629	189	2,803	42	8,410	126	8,700	173
MCGRATH	174	878,505	788,025	197,969	322,028	1,309,020	42.6	22.9	19.8	299,013	45,256	188,143	421	377	1,035	18,555	107	36,209	208	11,101	45	33,302	136	39,132	188

\* For communities marked by asterisk, utility rate and PCE rate are from FY96

FY98 Unpublished PCE Statistics  
Division of Energy

April 25, 1999

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh				Utility Res Rate Apr 99* (cents)	PCE Ratio (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Customer	PCE kWh Per Mo. Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To (\$)	500 Res Cap (-10.3%) Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To (\$)	400 Res Cap (-20.1%) Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Ave Res Cust (\$)	
		Residential	Residential	Commer- cial	Cmnty Facils										Total	Ann Loss To (\$)	Ave Res Cust (\$)	Ann Loss To (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ann. Loss to Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ann. Loss to Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ann Loss to Ave Res Cust (\$)
DEERING	42	186,762	182,569	37,171	51,342	271,082	38.7	23.9	14.8	64,680	8,869	43,661	371	362	1,037	4,487	107	8,756	208	2,351	43	7,017	130	8,789	185
NIKOLSKI	14	39,992	38,065	27,919	17,178	83,162	40.2	24.0	16.2	19,967	6,703	9,139	238	227	653	941	67	1,837	131	552	27	1,657	82	1,968	116
CIRCLE	24	106,838	102,597	65,950	28,820	197,367	48.2	24.1	24.1	47,565	15,894	24,726	262	251	727	2,547	75	4,971	146	1,314	30	3,943	91	4,964	129
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,738	41.1	24.2	16.9	82,530	8,274	55,416	286	252	729	5,708	75	11,119	147	3,075	30	9,224	91	11,385	129
PLATINUM	18	39,142	33,963	17,052	5,224	56,239	50.2	24.2	26.0	13,615	4,128	8,222	181	157	457	847	47	1,653	92	392	19	1,176	57	1,581	81
NELSON LAGOON	42	186,801	167,881	43,126	19,709	230,716	42.2	24.5	17.7	58,433	10,549	41,054	371	333	978	4,230	101	8,254	197	1,876	40	5,628	120	7,638	172
STEBBINS	120	442,529	411,305	59,817	156,458	627,578	39.5	24.6	14.9	154,321	14,709	101,140	307	286	843	10,417	87	20,329	169	5,678	34	17,033	103	20,925	148
GOLD BAY	38	287,168	155,151	69,550	99,986	324,087	34.3	24.7	9.5	80,328	17,207	38,384	630	340	1,010	3,954	104	7,715	203	2,551	41	7,654	122	8,737	177
QUINHAGAK	136	533,343	487,090	66,922	175,670	729,682	39.6	24.7	14.9	180,523	16,557	120,506	327	298	886	12,412	91	24,222	178	6,628	36	19,883	107	24,664	156
SHAKTOOLIK	53	340,315	282,277	1,665	85,934	429,876	40.3	24.8	15.5	106,609	15,293	70,005	535	444	1,321	7,210	136	14,071	265	3,682	53	11,046	160	13,993	232
EEK	81	290,936	272,346	22,845	44,848	340,039	40.5	24.8	15.6	84,364	5,668	67,569	299	280	834	6,960	96	13,581	168	3,172	34	9,516	101	12,742	146
KOYUK	73	416,377	351,281	51,705	204,263	607,249	39.7	24.9	14.8	151,084	12,864	87,399	475	401	1,197	9,002	123	17,567	241	5,555	48	16,666	144	19,389	210
ST. MICHAEL	85	334,795	307,981	58,554	121,871	488,406	40.5	25.0	15.5	121,857	14,639	76,841	328	302	904	7,915	93	15,445	182	4,299	36	12,896	109	15,877	158
ILIAMNA	209	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	194,529	372	310	931	20,037	96	39,100	187	9,655	37	28,964	112	37,744	183
MARSHALL	67	379,298	329,175	56,934	181,699	567,808	40.3	25.1	15.2	142,463	14,285	82,590	363	315	949	8,507	98	16,601	191	5,109	38	15,326	114	18,046	168
BREVIG MISSION	64	200,538	199,824	26,910	64,475	291,209	40.6	25.2	15.5	73,356	6,779	50,336	261	260	786	5,185	81	10,117	158	2,643	31	7,929	94	10,059	137
MINTO	74	344,591	329,803	48,503	110,239	488,545	36.9	25.2	11.6	123,162	12,228	83,143	388	371	1,124	8,564	116	16,712	226	4,400	45	13,201	134	16,605	196
TOGIAC	207	987,187	838,988	86,235	375,049	1,300,272	39.4	25.3	14.1	328,839	21,809	212,180	397	338	1,025	21,855	106	42,648	206	12,140	41	36,421	122	44,407	178
WALES	54	252,952	181,554	49,242	81,501	312,297	39.3	25.3	13.9	79,136	12,478	46,006	390	280	852	4,739	88	9,247	171	2,631	34	7,892	101	9,626	148
NULATO	130	463,349	443,533	42,034	219,087	704,634	41.3	25.4	15.9	178,766	10,664	112,524	386	370	1,125	11,590	116	22,617	226	6,626	44	19,878	133	23,928	195
HOLY CROSS	68	348,549	334,146	51,862	122,721	508,729	39.4	25.4	14.0	129,115	13,163	84,806	427	409	1,247	8,735	128	17,046	251	4,669	48	13,706	147	17,184	217
LARSEN BAY	48	206,312	198,768	65,696	62,164	333,628	40.2	25.5	14.7	84,942	16,726	50,606	358	345	1,054	5,212	109	10,172	212	2,679	41	8,038	124	10,162	183
CHEVAK	140	480,724	477,188	50,672	195,062	722,922	40.4	25.5	14.9	184,201	12,911	121,588	286	284	868	12,524	89	24,439	175	8,723	34	20,168	102	24,980	151
GOLOVIN	57	167,954	139,567	49,321	59,210	248,098	38.2	25.5	12.7	83,240	12,572	35,576	246	204	624	3,664	64	7,151	125	1,988	24	5,963	73	7,362	108
ALAKANUK	132	560,670	462,512	50,547	258,178	771,237	41.6	25.5	16.1	196,743	12,895	117,987	354	292	894	12,153	92	23,715	180	7,207	35	21,621	105	25,614	173
GAMBELL	160	704,919	594,919	66,070	241,976	902,965	40.2	25.8	14.4	237,784	17,033	153,370	367	310	959	15,797	99	30,827	193	8,369	37	25,107	112	31,309	165
SHISHMAREF	142	609,940	501,791	51,820	182,841	736,452	38.5	25.8	12.7	190,078	13,375	129,512	358	294	912	13,340	94	26,032	183	6,846	35	20,539	106	25,999	157
ELIM	78	345,827	311,270	55,340	142,582	509,172	39.4	26.0	13.5	132,181	14,366	80,806	369	333	1,036	8,323	107	16,242	208	4,538	40	13,615	120	16,758	178
LEVELOCK	48	177,636	158,770	42,710	75,439	276,919	45.2	26.1	19.1	72,220	11,139	41,407	308	276	863	4,265	89	8,323	173	2,342	33	7,026	99	8,622	148
GRAYLING	48	183,338	180,830	47,052	127,379	355,261	40.8	26.1	14.7	92,688	12,276	47,179	318	314	983	4,859	101	9,483	190	3,882	38	5,246	113	10,651	169
PEDRO BAY	26	58,988	58,827	33,096	17,989	109,712	60.2	26.1	34.1	28,624	8,635	15,296	189	188	588	1,575	61	3,074	118	766	23	2,298	68	2,907	101
RUSSIAN MISSION	71	262,359	241,819	41,509	40,198	323,606	38.9	26.2	12.7	84,849	10,905	63,405	308	294	893	6,531	92	12,744	179	2,820	34	8,461	102	11,673	153
SCAMMON BAY	94	489,038	405,722	58,594	68,921	533,237	40.4	26.2	14.1	140,081	15,383	106,682	434	368	1,134	10,978	117	21,423	228	4,746	43	14,239	129	19,635	194
TOKSOOK BAY	103	491,637	452,541	50,688	147,755	650,984	40.5	26.3	14.2	171,144	13,326	118,973	398	366	1,155	12,254	119	23,914	232	6,003	44	18,009	132	23,328	198
LOWER KALSKAG	65	269,019	250,830	15,536	87,411	361,777	39.8	26.3	13.5	95,184	4,088	68,098	345	332	1,048	7,011	108	13,688	211	3,462	40	10,387	119	13,406	179
UPPER KALSKAG	64	295,729	276,316	48,012	38,276	363,604	39.8	26.3	13.5	95,684	12,832	72,899	385	380	1,136	7,488	117	14,612	220	3,156	43	9,468	130	13,231	194
MEKORYUK	79	254,951	239,436	49,376	51,699	340,511	40.0	26.4	13.6	89,861	13,030	63,187	289	253	808	6,508	82	12,701	161	2,911	30	8,734	91	11,838	137
HOOPER BAY	205	767,744	708,441	61,184	126,200	895,825	41.3	26.5	14.8	236,946	16,183	187,383	312	288	914	19,300	94	37,664	184	8,346	35	25,039	104	34,534	156
ITIKAS POINT	34	136,155	120,122	199	45,685	165,926	42.2	26.6	15.6	44,103	53	31,928	334	294	839	3,289	97	6,418	189	1,657	35	4,972	106	6,356	160
ST. MARY'S	148	721,749	642,614	111,189	246,911	1,000,714	42.2	26.6	15.6	265,990	29,554	170,807	406	362	1,154	17,593	119	34,332	232	8,895	43	26,686	138	34,880	197
TUNUNAK	80	270,437	261,254	55,126	98,781	415,161	40.1	26.6	13.4	110,599	14,686	69,598	282	272	870	7,169	90	13,989	175	3,600	33	10,801	98	13,831	148
HUGHES	32	62,401	58,837	26,632	37,482	122,951	51.2	26.7	24.6	32,766	7,897	15,666	183	153	490	1,815	50	3,152	88	963	18	2,890	55	3,470	83

\* For communities marked by asterisk, utility rate and PCE rate are from FY96.

FY98 Unpublished PCE Statistics  
Division of Energy

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh					Utility Res Rate /pr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Resid Customer	PCE kWh Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl Inc Ann Loss to Ave Res Cust (\$)
		Residential	Residential	Commer- cial	Comnty Facils	Total										Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)
WHITE MOUNTAIN	61	222,287	165,044	37,604	119,266	321,914	48.2	26.7	21.5	85,919	10,037	44,050	304	225	722	4,537	74	8,854	145	2,843	27	8,529	81	9,883	123
NIKOLAI	37	105,748	101,825	33,361	90,790	225,976	50.2	28.7	23.5	60,403	8,917	27,218	238	229	736	2,803	76	5,471	148	1,926	28	5,778	83	6,448	125
SAVOONGA	147	568,866	482,331	56,895	158,553	708,579	40.3	25.7	13.8	187,335	15,962	128,975	284	273	877	13,284	90	25,924	176	6,409	33	19,227	98	25,109	149
ANIAK	173	832,444	800,106	180,334	52,058	1,032,498	48.9	27.0	21.9	278,774	48,690	216,029	401	385	1,249	22,251	129	43,422	251	8,522	48	25,585	139	37,646	212
KALTAG	69	313,381	286,316	45,073	115,696	447,085	41.0	27.3	13.8	121,920	12,291	78,078	378	346	1,132	8,042	117	15,694	227	4,020	41	12,060	124	15,493	191
PILOT STATION	109	534,546	455,644	36,730	113,785	606,159	41.9	27.5	14.4	166,572	10,093	125,211	409	348	1,149	12,897	118	25,167	231	5,694	42	17,083	125	23,347	193
ALLAKAKET*	72	191,874	187,155	31,653	128,940	345,748	39.1	27.5	11.6	95,081	8,705	51,468	222	217	715	5,301	74	10,345	144	3,141	28	9,423	78	11,198	120
SHAGELUK	41	123,027	121,984	27,591	54,487	204,062	41.5	27.6	14.0	56,219	7,601	33,607	250	248	820	3,461	04	6,755	185	1,765	30	5,294	89	6,740	138
KIVALINA	63	320,324	306,194	37,377	84,174	427,745	39.3	27.6	11.7	118,015	10,312	84,479	424	405	1,341	8,701	138	16,980	270	3,904	49	11,711	146	15,878	225
NOORVIK	144	744,755	641,082	61,951	251,571	954,604	39.7	27.6	12.0	263,853	17,123	177,195	431	371	1,231	18,251	127	35,616	247	8,927	45	26,780	134	34,784	207
AMMONAK	186	876,937	775,632	89,881	468,344	1,333,857	39.9	27.8	12.2	370,545	24,969	215,471	393	348	1,158	22,193	119	43,310	233	12,440	42	37,319	125	45,475	184
ENVIK	45	144,845	136,732	33,460	65,972	236,164	40.3	27.9	12.4	65,937	9,342	38,176	260	253	848	3,932	81	7,673	171	2,027	30	6,081	91	7,704	142
NEWTOK	51	187,883	186,758	32,093	17,471	236,322	54.2	28.1	26.2	66,288	9,002	52,386	307	305	1,027	5,396	106	10,530	206	2,042	37	6,127	110	9,096	171
EAGLE	139	327,541	308,350	69,721	12,282	390,353	47.5	28.4	19.1	110,782	19,787	7,510	197	185	630	9,014	65	17,589	127	3,206	22	9,619	67	14,791	105
KWIGILLINGOK	78	325,822	316,049	43,925	18,716	378,690	50.2	28.4	21.8	107,588	12,479	89,790	348	338	1,151	9,248	119	18,048	231	3,348	41	10,043	122	15,293	181
OLD HARBOR	101	380,885	26,346	370,757	35,596	436,699	41.3	28.5	12.8	124,503	105,703	7,511	314	22	74	774	6	1,510	15	659	3	1,978	8	2,038	12
DIOMEDE	40	163,897	144,490	39,772	58,847	243,109	43.2	28.6	14.6	69,553	11,379	41,339	341	301	1,033	4,258	106	8,309	208	2,033	38	6,100	108	8,027	171
IUSLIA	93	366,025	286,292	33,251	63,695	383,238	42.9	28.7	14.2	109,836	9,530	82,051	328	257	882	8,451	91	6,492	177	3,500	31	10,500	82	14,861	146
KASIGLUK	99	497,189	431,393	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,805	124,759	419	363	1,260	12,850	130	25,077	253	5,098	44	15,294	131	22,157	208
NUNAPITCHUK	109	376,842	375,960	36,653	53,522	466,135	41.4	28.9	12.5	134,806	10,600	108,728	208	287	998	11,199	103	21,854	200	4,295	34	12,884	103	19,014	185
KIANA	98	542,809	496,830	77,316	145,948	720,094	39.2	20.9	10.2	208,395	22,375	143,783	462	422	1,487	14,810	151	28,900	295	6,428	51	18,283	152	28,642	242
NIGHTMUTE	45	176,661	125,830	31,334	5,857	163,021	41.0	29.3	11.7	47,716	9,171	36,830	327	233	818	3,794	84	7,403	165	1,317	28	3,951	84	8,168	134
SELAWIK	167	735,505	664,160	83,056	163,475	910,691	40.8	29.3	11.5	266,832	24,335	194,599	367	331	1,165	20,044	120	39,114	234	8,276	40	24,829	119	35,228	191
MT. VILLAGE	181	992,417	783,004	63,892	328,257	1,155,153	43.1	29.3	13.8	338,806	18,740	223,789	457	351	1,235	23,050	127	44,982	249	10,813	42	32,738	126	43,304	203
KOKHANOK BAY	51	156,252	151,027	26,159	51,338	228,524	55.3	29.4	25.9	67,186	7,691	44,402	255	247	871	4,573	90	8,925	175	2,024	30	6,071	89	8,310	143
CENTRAL	85	162,501	159,134	100,149	4,403	271,686	50.9	29.5	21.4	80,012	31,850	46,865	159	156	551	4,827	57	9,420	111	1,635	19	4,906	56	7,770	90
AKIACHAK	144	373,166	297,044	42,802	0	339,846	49.9	29.7	20.2	100,900	12,708	88,192	216	172	612	9,084	63	17,727	123	2,970	21	8,911	82	14,413	100
BEAVER	63	85,399	81,742	30,561	17,825	130,128	40.2	30.1	10.1	39,169	9,199	24,604	113	108	391	2,534	40	4,945	78	996	13	2,987	39	4,357	64
TELLER	74	268,164	193,646	90,071	59,375	343,092	53.8	30.2	23.6	103,614	27,201	58,481	302	218	790	6,024	81	11,755	159	2,530	28	7,591	79	10,685	128
EGEGIK	66	201,953	190,881	71,836	70,639	333,356	55.0	30.4	24.6	101,407	21,853	58,066	255	241	880	5,981	91	11,871	177	2,615	28	7,846	87	10,816	143
KARLUK*	13	49,491	45,654	12,586	9,718	67,958	53.3	31.3	22.0	21,271	3,939	14,290	317	293	1,099	1,472	113	2,872	221	554	35	1,661	105	2,485	176
NEW STUYAHOK	95	549,520	469,496	37,888	104,201	611,585	39.8	32.0	7.8	195,891	12,136	150,380	482	412	1,583	15,489	163	30,226	318	5,737	49	17,211	148	25,996	252
CHIGNIK LAKE	37	391,502	353,575	55,814	59,646	469,035	43.2	32.4	18.8	151,920	18,078	114,523	882	796	3,095	11,796	319	23,019	822	4,132	96	12,397	287	17,332	490
NAPAKIAK	95	340,706	322,030	39,368	3,208	384,804	47.8	32.9	14.9	120,101	12,968	106,077	299	282	1,117	10,926	115	21,321	224	3,252	34	9,757	102	16,767	176
AMBLER	82	404,934	359,297	63,138	146,899	569,332	52.7	33.2	19.5	188,790	20,936	119,143	412	365	1,453	12,272	150	23,948	292	5,062	44	15,186	131	21,655	228
SIUNGNAK	59	374,294	295,172	46,265	135,443	476,020	49.9	33.8	16.1	161,247	15,642	99,788	538	424	1,721	10,279	177	20,055	348	4,307	51	12,920	153	18,284	268
IGLUIGIG	17	49,843	44,899	21,617	21,718	88,232	58.5	33.8	24.7	28,849	7,313	15,189	244	220	893	1,565	92	3,053	180	666	26	1,998	79	2,804	139
GUSTAVUS	286	819,418	793,657	245,810	24,816	1,064,083	51.0	34.1	16.9	362,427	83,723	270,320	239	231	945	27,843	97	54,334	190	8,183	28	24,548	83	42,573	147
BETTLES*	21	81,940	71,539	68,907	12,932	153,378	51.8	34.3	17.5	52,809	23,835	24,538	325	284	1,168	2,527	120	4,932	235	845	34	2,534	102	4,060	181
KOBUK	34	96,827	93,188	43,364	65,619	202,171	53.2	34.6	18.6	70,012	15,017	32,271	237	228	949	3,324	98	6,486	191	1,588	27	4,764	87	6,308	147
HEALY LAKE*	13	43,929	40,029	24,910	11,281	76,220	48.2	35.1	13.1	26,753	8,743	14,050	282	257											

FY98 Unpublished PCE Statistics  
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
																500 Res Cap (-10.3%) Ann Loss To	500 Res Cap (-10.3%) Ann Loss To	400 Res Cap (-20.1%) Ann Loss To	400 Res Cap (-20.1%) Ann Loss To	1.0 Cent Floor Inc. Ann. Loss to	1.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ann. Loss to	3.0 Cent Floor Inc. Ann. Loss to	500 Res Cap & 2.0 ct fl inc Ann Loss to	500 Res Cap & 2.0 ct fl inc Ann Loss to
COMMUNITY	# of Res Cust.	Total kWh Residential	PCE ELIGIBLE kWh				Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
CHUATHBALUK	33	80,687	82,231	24,625	10,483	117,339	59.8	40.5	19.3	47,487	9,968	33,279	219	208	1,008	3,428	104	6,689	203	927	25	2,781	75	5,113	149
CROOKED CREEK	31	114,856	110,253	30,958	10,899	152,110	59.8	40.5	19.3	61,559	12,529	44,619	309	296	1,439	4,596	148	8,968	289	1,212	36	3,635	107	6,792	212
MANLEY HOT SPR.	63	123,579	119,945	71,639	3,774	195,358	60.1	40.5	19.6	79,061	28,992	48,542	163	159	771	5,000	79	9,757	155	1,237	19	3,712	57	7,227	114
RED DEVIL	13	42,165	37,414	22,315	0	59,729	59.8	40.5	19.3	24,172	9,031	15,141	270	240	1,165	1,560	120	3,043	234	374	29	1,122	86	2,231	172
SLEETMUTE	34	83,389	76,989	35,871	16,943	129,803	59.8	40.5	19.3	52,531	14,517	31,157	204	189	916	3,209	94	6,263	184	939	23	2,818	68	4,929	135
STONY RIVER	16	40,778	33,295	24,588	22,890	80,773	59.8	40.5	13.3	32,589	9,951	13,474	212	173	842	1,388	87	2,708	169	562	21	1,686	62	2,443	124
CHALKYITSIK	37	281,703	275,767	185,509	6,996	468,272	60.2	40.9	19.4	191,289	75,780	112,651	634	621	3,045	11,603	314	22,643	612	2,828	75	8,483	224	16,690	447
TOTALS	24,421	128,761,280	101,023,397	19,039,797	30,167,755	150,260,949				21,857,411	2,864,240	14,663,059	439	345	600	1,510,295	62	2,947,275	121	1,311,912	41	3,895,158	123	3,912,722	136

\* For communities marked by asterisk,  
utility rate and PCE rate are from FY96.

FY98 Unpublished PCE Statistics  
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(1) COMMUNITY	(2) # of Res Cust.	(3) Total kWh Residential	(4)-(7) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercl Reqmnt (\$)	(13) PCE Resid Reqmnt (\$)	(14) Total kWh Per Mo. Per Resid Customer	(15) PCE kWh Per Mo. Per Resid Customer	(16) PCE \$ Per Year Per Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)										1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)				
AKHIOK	34	138,740	126,855	11,365	75,011	213,231	38.2	13.7	24.6	29,106	1,551	17,316	340	311	509	1,784	52	3,480	102	2,019	37	6,056	112	5,560	119
AKIACHAK	144	373,166	297,044	42,802	0	339,848	49.9	29.7	20.2	100,900	12,708	88,192	216	172	617	9,084	63	17,727	123	2,970	21	8,911	62	14,413	100
AKIAK	83	232,885	153,892	17,670	1,657	173,219	39.2	11.0	28.2	19,054	1,944	16,928	234	155	204	1,744	21	3,403	41	1,555	19	4,666	56	4,538	54
AKUTAN	35	155,454	147,225	59,134	13,105	339,464	32.5	22.4	10.1	76,040	13,248	32,978	370	351	942	3,397	97	8,629	189	2,803	42	8,410	126	8,700	173
ALAKANUK	132	560,670	462,512	50,547	258,178	771,237	41.6	25.5	16.1	196,743	12,095	117,987	354	292	894	12,153	92	23,715	180	7,207	35	21,621	105	25,614	155
ALLAKAKET*	72	191,874	187,155	31,653	126,940	345,748	39.1	27.5	11.6	95,081	8,705	51,468	222	217	715	5,301	74	10,345	144	3,141	26	9,423	78	11,198	120
AMBLER	82	404,934	359,297	63,136	146,899	539,332	52.7	33.2	19.5	188,790	20,936	119,143	412	365	1,453	12,272	150	23,948	292	5,092	44	15,186	131	1,655	228
ANAKTUVUK PASS	81	515,536	349,449	76,954	20,880	447,283	15.0	5.1	9.9	22,811	3,925	17,822	530	360	220	1,836	23	3,582	44	3,703	43	11,110	129	8,522	100
ANGOON	198	1,081,965	827,852	93,849	144,228	1,065,929	48.9	18.6	15.0	198,156	17,447	153,898	455	348	777	15,851	80	30,933	156	9,721	42	29,162	125	33,588	155
ANIK	173	832,444	800,108	180,334	52,058	1,032,490	48.9	27.0	21.9	278,774	48,690	216,029	401	385	1,249	22,251	129	43,422	251	6,522	48	25,565	139	37,648	212
ANVIK	45	144,845	136,732	33,460	65,972	236,164	40.3	27.9	12.4	65,937	9,242	38,176	268	253	848	3,932	07	7,673	171	2,027	30	6,081	91	7,704	142
ARCTIC VILLAGE	82	99,782	92,007	14,398	5,983	158,388	59.8	18.2	41.7	28,747	2,613	16,699	101	94	204	1,720	21	3,357	41	1,440	11	4,320	34	4,410	41
ATKA	28	147,634	95,240	29,851	42,625	167,716	38.2	16.3	21.9	27,338	4,866	15,524	439	283	554	1,599	57	3,120	111	1,379	34	4,136	102	4,160	118
ATMAUTLUAK	50	239,798	194,925	31,530	11,413	237,868	47.0	15.2	31.9	36,037	4,777	29,531	357	290	527	3,042	54	5,938	106	2,063	35	8,190	104	6,767	117
ATQASUK	50	408,924	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,485	13,956	682	456	279	1,437	29	2,805	56	3,123	55	9,369	164	7,119	127
BEAVER	63	85,399	81,742	30,561	17,825	130,128	40.2	30.1	10.1	39,169	9,199	24,604	113	108	391	2,534	40	4,945	78	996	13	2,987	39	4,357	64
BETHEL	1,922	11,040,910	8,152,156	921,357	1,524,587	10,598,100	21.6	8.8	12.8	933,693	81,172	718,205	479	353	374	73,975	38	144,359	75	96,787	42	290,302	127	250,717	115
BETTLES*	21	81,940	71,539	68,907	12,932	153,378	51.6	34.3	17.5	52,609	23,635	24,538	325	284	1,168	2,527	120	4,932	235	845	34	2,534	102	4,069	181
BREVIG MISSION	64	200,538	199,824	26,910	64,475	291,209	40.6	25.2	15.5	73,356	6,779	50,336	261	260	786	5,185	81	10,117	158	2,643	31	7,929	94	10,059	137
BUCKLAND	80	379,803	326,955	37,251	95,031	459,237	37.0	10.8	29.2	49,552	4,019	35,278	396	341	441	3,634	45	7,091	89	4,220	41	12,660	123	11,400	119
CENTRAL	85	162,501	159,134	108,149	4,403	271,686	50.9	29.5	21.4	80,012	31,850	46,865	159	156	551	4,827	57	9,420	111	1,635	19	4,906	56	7,778	90
CHALKYITSIK	37	281,703	275,767	185,509	6,996	468,272	60.2	40.9	19.4	191,289	75,780	112,651	634	621	3,045	11,603	314	22,643	612	2,828	75	8,483	224	16,690	447
CHEFORNAK	76	387,599	320,996	39,536	18,544	379,076	34.2	9.1	25.1	34,534	3,602	29,243	425	352	385	3,012	40	5,878	77	3,395	42	10,186	127	9,142	115
CHIENEGA BAY	24	80,105	77,908	31,882	29,801	139,571	29.7	19.8	10.1	27,356	6,245	15,270	278	271	636	1,573	66	3,069	128	1,077	32	3,231	97	3,568	124
CHEVAK	140	480,724	477,188	50,672	195,062	722,922	40.4	25.5	14.9	184,201	12,911	121,588	286	284	888	12,524	89	24,439	175	6,723	34	20,168	102	24,986	151
CHIGNIK	64	243,693	219,887	50,577	94,127	364,591	28.0	12.7	15.3	46,376	6,433	27,970	317	286	437	2,981	45	5,622	88	3,140	34	9,420	103	8,708	107
CHIGNIK LAGOON	75	223,636	197,539	35,450	25,037	258,026	37.0	11.1	25.9	28,563	3,924	21,968	248	219	292	2,262	38	4,395	59	2,226	26	6,677	79	6,297	77
CHIGNIK LAKE	37	391,502	353,575	55,814	59,646	469,035	43.2	32.4	10.8	151,920	18,078	114,523	882	796	3,095	11,796	319	23,019	622	4,132	98	12,397	287	19,332	490
CHILKAT VALLEY	141	411,681	389,000	64,463	83	453,546	33.6	18.6	15.0	84,314	11,984	72,315	243	230	513	7,448	53	14,535	103	3,891	28	11,672	83	14,429	102
CHISTOCHINA*	23	91,230	80,096	56,091	8,965	145,152	36.8	19.7	17.1	28,595	11,050	15,779	331	290	686	1,625	71	3,172	138	891	35	2,872	104	3,241	133
CHITINA	26	102,017	86,682	85,596	13,456	185,774	36.6	16.4	20.4	30,541	14,072	14,251	327	278	548	1,488	56	2,864	110	1,002	33	3,005	100	3,293	116
CHUATHIHALUK	33	86,687	82,231	24,625	10,483	117,339	59.8	40.5	19.3	47,487	9,966	33,279	219	208	1,008	3,428	104	6,689	203	927	25	2,781	75	5,113	149
CIRCLE	34	106,838	102,597	65,950	28,820	197,367	48.2	24.1	24.1	47,565	15,894	24,728	262	251	727	2,547	75	4,970	146	1,314	30	3,943	91	4,964	128
COFFMAN COVE	112	542,204	445,030	67,333	75,894	588,257	28.2	10.9	17.3	64,355	7,366	48,686	403	331	435	5,015	45	9,788	87	5,209	40	15,628	119	14,516	116
COLD BAY	38	287,168	155,151	69,550	99,986	324,687	34.3	24.7	9.5	80,328	17,207	38,384	630	340	1,010	3,954	104	7,715	203	2,551	41	7,654	122	8,737	171
CORDOVA	966	5,599,965	4,774,585	1,150,713	1,901,017	7,828,295	18.5	8.4	10.1	657,409	96,660	401,063	483	412	415	11,310	43	80,614	83	66,758	49	200,267	148	164,986	131
CRAIG*	697	4,312,545	3,456,048	849,469	249,625	5,555,142	18.3	7.6	10.7	422,191	64,560	262,660	516	413	377	27,054	39	52,795	76	47,057	50	141,170	149	114,048	128
CROOKED CREEK	31	114,856	110,253	30,958	10,899	152,110	59.8	40.5	19.3	61,559	12,529	44,619	309	296	1,439	4,596	148	8,960	297	1,212	36	3,635	107	6,792	217
DEERING	42	186,762	182,589	37,171	51,342	271,082	38.7	23.9	14.8	64,880	8,889	43,561	371	362	1,037	4,487	107	8,756	208	2,339	43	7,017	130	8,789	186
DILLINGHAM	956	5,789,388	4,674,129	893,861	813,379	6,381,369	18.9	8.1	10.8	517,529	72,492	379,072	505	407	397	39,044	41	76,193	80	54,875	49	164,625	147	139,166	12
DIOMEDE	40	163,897	144,490	39,772	58,847	243,109	43.2	28.6	14.6	69,553	11,379	41,339	341	301	1,033	4,258	106	8,309	208	2,033	36	6,100	108	8,627	171
DOT LAKE*	27	107,167	104,416	54,251	33,520	192,187	28.6	14.4	14.2	27,675	7,812	15													

FY98 Unpublished PCE Statistics  
Division of Energy

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
																500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
COMMUNITY	# of Res Cust.	Total kWh Residential	PCE ELIGIBLE kWh				Utility Rate Apr 99* (cents)	PCE Rate Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commerd Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
EAGLE	139	327,911	308,350	69,721	12,282	390,353	47.5	28.4	19.1	110,782	19,787	87,510	197	185	630	9,014	65	17,589	127	3,206	22	9,619	67	14,791	105
EEK	81	290,936	272,346	22,845	44,848	340,039	40.5	24.8	15.6	84,364	5,668	87,569	299	280	834	6,960	86	13,581	168	3,172	34	9,516	101	12,742	146
ELEGIK	66	201,953	190,801	71,836	70,639	333,356	55.0	30.4	24.6	101,407	21,853	58,066	255	241	880	5,981	91	11,671	177	2,615	29	7,846	87	10,810	143
EKWOK	48	164,419	160,223	32,125	28,480	220,828	40.2	21.0	19.2	46,418	6,753	33,679	285	278	702	3,469	72	6,769	141	1,887	33	5,661	100	6,913	132
ELFIN COVE	30	118,481	104,774	101,037	18,980	224,791	22.6	11.8	10.8	26,503	11,912	12,353	329	291	412	1,272	42	2,483	83	1,238	35	3,713	105	3,532	105
ELIM	78	345,627	311,270	55,340	142,562	509,172	39.4	26.0	13.5	132,181	14,366	80,806	369	333	1,036	8,323	107	16,242	208	4,538	40	13,615	120	16,758	178
EMMONAK	186	876,937	775,632	89,881	468,344	1,333,857	39.9	27.8	12.2	370,545	24,969	215,471	393	348	1,158	22,193	119	43,310	233	12,440	42	37,319	125	45,475	184
FALSE PASS	24	87,941	86,241	35,159	39,176	160,576	42.2	12.0	30.2	19,269	4,219	10,349	305	299	431	1,066	44	2,080	87	1,254	36	3,763	108	3,397	109
FORT YUKON	229	770,891	709,801	155,976	197,091	1,062,868	46.1	16.0	30.1	169,846	24,925	113,426	281	258	495	11,683	51	22,799	100	9,069	31	27,207	93	28,359	107
G*LENA	211	850,869	757,145	186,136	261,766	1,205,047	32.2	8.4	23.8	101,465	15,673	63,752	336	299	302	6,566	31	12,814	61	10,189	36	30,567	108	25,385	85
GAMBELL	160	704,919	594,919	66,070	241,976	902,965	40.2	25.8	14.4	232,784	17,033	153,370	367	310	959	15,797	99	30,827	193	8,369	37	25,107	112	31,309	165
GOLOVIN	57	167,954	139,567	49,321	59,210	248,098	38.2	25.5	12.7	63,240	12,572	35,576	246	204	624	3,664	64	7,151	125	1,988	24	5,983	73	7,352	108
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,738	41.1	24.2	16.9	82,530	8,274	55,416	286	257	729	5,709	75	11,139	147	3,075	30	9,224	91	11,385	129
GRAYLING	48	183,338	180,830	47,052	127,379	355,261	40.8	28.1	14.7	92,688	12,276	47,179	318	314	983	1,859	101	9,483	198	3,082	38	8,246	113	10,651	180
GUSTAVUS	296	819,418	793,657	245,810	24,616	1,064,083	51.0	34.1	16.9	362,427	83,723	270,320	239	231	945	27,843	97	54,334	190	8,103	28	24,548	83	42,573	147
HAINES*	858	4,721,725	3,889,801	916,755	741,307	5,547,863	16.3	6.1	10.2	338,420	55,922	237,278	459	378	277	24,440	28	47,693	56	46,311	45	138,933	136	109,049	110
HEALY LAKE*	13	43,929	40,029	24,910	11,281	76,220	48.2	35.1	13.1	26,753	8,743	14,050	282	257	1,081	1,447	111	2,824	217	513	31	1,539	92	2,391	167
HOLLIS*	68	292,651	261,983	30,454	0	292,437	18.3	7.8	10.7	22,225	2,315	19,911	359	321	293	2,051	30	4,002	59	2,620	39	7,859	116	6,751	99
HOLY CROSS	68	348,549	334,146	51,802	122,721	508,729	39.4	25.4	14.0	129,115	13,163	84,806	427	409	1,247	8,735	128	17,046	251	4,569	49	13,708	147	17,184	217
HOONAH	306	1,797,774	1,633,645	220,799	614,534	2,468,978	33.6	18.6	15.0	458,983	41,047	303,695	490	445	992	31,281	102	61,043	199	22,482	53	67,445	160	72,879	180
HOOPER BAY	205	767,744	708,441	61,184	126,200	895,825	41.3	26.5	14.8	236,946	16,183	197,333	312	288	914	19,300	94	37,664	184	8,348	35	25,039	104	34,534	156
HUGHES	32	62,401	58,837	26,632	37,482	122,951	51.2	26.7	24.6	32,766	7,097	15,680	163	153	490	1,615	50	3,152	98	963	18	2,890	55	3,420	83
HUSLIA	93	366,025	286,292	33,251	63,695	383,238	42.9	28.7	14.2	109,836	9,530	82,051	328	257	882	8,451	91	16,492	177	3,500	31	10,500	92	14,881	146
HYDABURG*	136	830,996	725,606	72,686	180,059	978,351	18.3	7.6	10.7	74,355	5,524	55,146	509	445	405	5,680	42	11,084	82	9,057	53	27,170	160	22,299	137
IGIUGIG	17	49,843	44,899	21,617	21,716	88,232	58.5	33.8	24.7	29,849	7,313	15,189	244	220	893	1,565	92	3,053	180	656	26	1,998	79	2,804	119
ILIAMNA	209	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	194,529	372	310	931	20,037	96	39,100	187	9,655	37	28,964	112	37,744	163
LAKE	272	1,608,869	1,426,908	174,330	264,270	1,865,508	33.6	18.6	15.0	346,798	32,408	265,262	493	437	975	27,322	100	53,318	196	18,812	52	50,735	157	58,206	185
KAKTOVIK	76	539,288	368,214	87,487	40,507	496,208	15.0	1.4	13.6	6,798	1,199	5,045	591	404	66	520	7	1,014	13	4,087	48	5,599	66	5,599	66
KALTAG	69	313,381	286,316	45,073	115,696	447,085	41.0	27.3	13.8	121,920	12,291	78,078	378	346	1,132	8,042	117	15,694	227	4,020	41	12,060	124	15,493	191
KARLUK*	13	49,491	45,654	12,586	9,718	67,958	53.3	31.3	22.0	21,271	3,939	14,290	317	293	1,099	1,472	113	2,872	221	554	35	1,661	105	2,485	176
KASAAH	27	126,289	107,894	35,558	2,584	146,036	33.6	18.6	15.0	27,148	6,610	20,057	390	333	743	2,066	77	4,032	149	1,105	40	3,314	120	4,053	148
KASIGLUK	99	497,189	431,393	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,805	124,759	419	363	1,260	12,850	130	25,077	253	5,098	44	15,294	131	22,157	208
KIANA	98	542,809	496,830	77,316	145,948	720,094	39.2	28.9	10.2	208,395	22,375	143,783	462	422	1,467	14,810	151	28,900	295	6,428	51	19,283	152	26,642	242
KING COVE	180	1,099,081	578,053	141,802	383,527	1,101,382	20.2	6.4	13.8	70,709	9,104	36,993	509	267	205	3,809	21	7,434	41	9,596	32	28,787	96	21,814	79
KIPNUK	130	702,495	643,284	56,140	158,477	897,901	32.0	16.1	15.9	144,652	9,044	103,633	450	412	797	10,674	82	20,830	160	8,418	49	25,253	148	26,184	171
KIVALINA	63	320,324	306,194	37,377	84,174	427,745	39.3	27.6	11.7	118,016	10,312	84,479	424	405	1,341	8,701	138	16,986	276	3,904	49	11,711	148	15,879	225
KLAWOCK	320	1,532,918	1,387,136	280,771	81,717	1,729,624	33.6	18.6	15.0	321,537	48,477	257,869	539	361	806	26,560	83	51,832	162	14,689	43	44,066	130	53,080	161
KLUKWAN	48	262,710	229,022	17,395	48,420	294,837	33.6	18.6	15.0	54,810	3,234	42,575	456	398	887	4,385	91	8,558	178	2,774	48	8,323	143	9,462	177
KOBUK	34	96,827	93,188	43,364	65,610	202,171	53.2	34.6	18.8	78,812	15,017	32,271	237	228	948	3,324	98	6,486	191	1,588	27	4,764	87	6,308	147
KOKHANOK BAY	51	156,252	151,077	26,159	51,338	228,524	55.3	29.4	25.9	67,186	7,691	44,402	255	247	871	4,573	90	8,925	175	2,024	30	6,071	89	8,310	141
KOLIGANEK	65	214,241	207,157	44,967	6,789	258,913	50.2	21.5	28.7	55,770	9,606	44,622	275	268	686	4,596	71	8,969	138	2,139	32	6,418	96	8,448	128
KONGIGANAK	85	386,805	301,937	26,770	88,545	417,252	45.2	11.3	33.3	47,148	3,825	34,119	378	296	481	3,514	41	6,858	81	3,905	36	11,714	107	10,702	105

\* For communities marked by asterisk,  
utility rate and PCE rate are from FY96

FY98 Unpublished PCE Statistics  
Division of Energy

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh		PCE ELIGIBLE kWh			Utility Rate	PCE Rate	Effective	Full PCE	PCE	PCE	Total kWh	PCE kWh	PCE \$	500 Res Cap	500 Res Cap	400 Res Cap	400 Res Cap	1.0 Cent	1.0 Cent	3.0 Cent	3.0 Cent	500 Res Cap	500 Res Cap
		Residential	Residential	Commer- cial	Comny Facils	Total	Apr 99* (cents)	Apr 99* (cents)	Rate (cents)	Formula Reqmnl (\$)	Commercl Reqmnl (\$)	Resid Reqmnl (\$)	Per Resid Customer	Per Resid Customer	Per Resid Customer	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ave Res Cust (\$)	Ann. Loss to Utility (\$)	Ave Res Cust (\$)	Ann Loss to Utility (\$)	Ave Res Cust (\$)
KOTLIK	123	471,235	458,156	43,887	96,102	598,145	30.2	17.2	13.0	102,881	7,549	78,803	319	310	641	8,117	66	15,839	129	5,543	37	16,628	112	10,258	133
KOTZEBUE	799	7,588,638	4,584,877	257,284	1,765,088	6,607,249	20.1	8.6	11.5	569,545	22,178	395,216	791	478	495	40,707	51	79,438	99	63,500	57	190,499	172	150,262	154
KOYUK	73	416,377	351,281	51,705	204,263	607,249	39.7	24.9	14.8	151,084	12,864	87,399	475	401	1,197	9,002	123	17,567	241	5,555	48	16,666	144	19,389	210
KOYUKUK	66	559,851	482,779	84,379	267,350	834,508	45.2	13.9	31.3	115,997	11,729	67,106	707	610	1,017	6,912	105	13,488	204	7,501	73	22,504	219	20,920	236
KWETHLUK	140	432,988	409,981	32,357	83,729	506,067	44.2	15.7	28.6	79,199	5,084	64,162	258	244	458	6,609	47	12,897	92	4,737	29	14,211	88	15,238	100
KWICILLINGOK	78	325,822	316,049	43,925	18,716	378,690	50.2	28.4	21.8	107,586	12,479	89,790	348	338	1,151	9,248	119	18,048	231	3,348	41	10,043	122	15,293	191
LARSEN BAY	48	206,012	198,768	65,696	69,164	333,628	40.2	25.5	14.7	84,942	16,726	50,603	358	345	1,054	5,212	109	10,172	212	2,679	41	8,038	124	10,162	183
LEVELOCK	48	177,636	158,770	42,710	75,439	276,919	45.2	26.1	19.1	72,220	11,139	41,407	308	276	863	4,265	89	0,323	173	2,342	33	7,026	99	8,622	148
LOWER KALSKAG	65	269,019	258,830	15,536	87,411	381,777	39.8	26.3	13.5	95,164	4,088	68,098	345	332	1,048	7,014	108	13,688	211	3,462	40	10,387	119	13,406	179
MANLEY HOT SPR.	63	123,579	119,945	71,639	3,774	195,355	60.1	40.5	19.6	79,061	28,992	48,542	163	159	771	5,000	79	9,757	155	1,237	19	3,712	57	7,227	114
MANOKOTAK	98	446,344	305,099	38,044	5,321	348,464	35.2	13.5	21.7	46,938	5,125	41,037	380	259	419	4,233	43	8,260	84	3,104	31	9,313	93	9,813	99
MARSHALL	87	379,298	329,175	56,934	181,699	567,808	40.3	25.1	15.2	142,463	14,285	82,590	363	315	949	8,507	98	16,601	191	5,109	38	15,326	114	18,048	166
MCGRATH	174	878,505	788,025	197,969	322,026	1,300,020	42.6	22.9	19.8	299,013	45,256	180,143	421	377	1,035	18,505	107	36,209	208	11,101	45	33,302	136	39,132	188
MEKORYUK	79	254,951	239,436	49,376	51,699	340,511	40.0	28.4	13.6	89,861	13,030	63,187	269	253	800	6,508	82	12,701	161	2,911	30	8,734	91	11,838	137
MENTASTA*	31	76,926	58,747	17,912	91,358	168,017	28.6	14.4	14.2	24,194	2,579	8,460	207	150	273	871	28	1,700	55	1,501	19	4,503	57	3,752	82
MINTO	74	344,591	329,803	48,503	110,239	488,545	36.9	25.2	11.8	123,182	12,228	83,143	308	371	1,124	8,564	116	16,712	226	4,400	45	13,201	134	18,685	196
MT VILLAGE	181	992,417	763,004	63,892	328,257	1,155,153	43.1	29.3	13.8	338,806	18,740	223,789	457	351	1,236	23,050	127	44,982	249	10,913	42	32,738	126	43,304	203
NAKNEK	685	4,303,766	2,995,839	717,825	902,420	4,618,084	20.7	6.9	13.8	316,202	49,171	205,215	524	364	300	21,137	31	41,248	60	38,983	44	116,948	131	92,931	109
NAPAKIAK	95	340,706	322,030	39,368	3,206	364,604	47.8	32.9	14.9	120,101	12,968	106,077	299	282	1,117	10,926	115	21,321	224	3,252	34	9,757	102	16,767	176
NAPASKIAK	86	312,967	262,240	36,808	13,667	312,715	45.2	19.4	25.8	60,729	7,148	50,927	303	254	592	5,245	81	10,238	119	2,759	30	8,277	91	10,223	116
NAUKATI	25	457,828	387,869	60,610	19,166	467,645	28.2	10.9	17.3	51,160	6,631	42,433	1,526	1,293	1,697	4,371	175	8,529	341	4,070	155	12,211	465	11,712	453
NELSON LAGOON	42	186,801	167,881	43,128	19,709	230,716	42.2	24.5	17.7	56,433	10,549	41,064	371	333	978	4,230	101	8,254	197	1,876	40	5,628	120	7,636	172
NEW STUYAHOK	95	549,520	469,496	37,888	104,201	611,585	39.8	32.0	7.8	155,891	12,136	150,380	482	412	1,583	15,409	163	30,226	318	5,737	49	17,211	148	25,998	252
NEWTOK	51	187,883	186,758	32,093	17,471	236,322	54.2	28.1	26.2	68,288	9,002	52,386	307	305	1,027	5,396	106	10,530	206	2,042	37	6,127	110	9,096	171
NIGHTMUTE	45	176,661	125,830	31,334	5,857	163,021	41.0	29.3	11.7	47,716	9,171	36,830	527	233	818	3,794	84	7,403	165	1,317	28	3,951	84	6,168	134
NIKOLAI	37	105,748	101,825	33,361	90,790	225,976	50.2	28.7	23.5	69,403	8,917	27,218	238	229	736	2,803	78	5,471	148	1,926	28	5,778	83	8,446	125
NIKOLSKI	14	39,992	38,065	27,919	17,178	83,162	40.2	24.0	16.2	18,967	6,703	9,139	238	227	653	941	67	1,837	131	552	27	1,857	82	1,968	116
NOATAK	95	508,470	441,155	43,959	231,272	716,386	52.8	38.4	14.4	275,092	16,880	169,404	446	387	1,783	17,449	184	34,050	358	6,724	46	20,173	139	29,988	267
NOME	1,448	8,930,527	6,335,667	783,990	2,042,310	9,161,987	18.6	4.6	14.0	418,703	35,828	289,541	514	365	200	29,823	21	58,198	40	83,780	44	251,340	131	184,331	99
NOORVIK	111	744,755	641,082	61,951	251,571	954,604	39.7	27.6	12.0	263,853	17,123	177,195	431	371	1,231	18,251	127	35,816	247	8,927	45	26,788	134	34,784	207
NORTHWAY	107	429,700	394,198	91,631	60,436	546,265	29.4	16.8	12.6	91,827	15,403	66,265	335	307	619	6,825	64	13,319	124	4,546	37	13,639	111	15,106	130
NUQSUT	86	645,028	433,971	90,777	59,100	583,848	15.0	5.1	9.9	29,776	4,030	22,133	625	421	257	2,280	27	4,449	52	4,931	50	14,792	151	11,247	117
NULATO	100	463,349	443,533	42,034	219,067	704,634	41.3	25.4	15.9	178,768	10,664	112,524	386	370	1,125	11,590	116	22,617	226	6,826	44	19,878	133	23,928	195
NUNAPITCHUK	109	376,842	375,960	36,653	53,522	466,135	41.4	28.9	12.5	134,808	10,600	109,728	288	287	990	11,199	103	21,854	200	4,295	34	12,884	103	19,014	165
OLD HARBOR	101	380,885	26,346	370,757	39,598	436,699	41.3	28.5	12.8	124,503	105,703	7,511	314	22	74	774	8	1,510	15	659	3	1,978	8	2,038	12
OUZINKIE	79	336,420	325,312	54,299	86,339	465,950	30.2	12.1	18.1	56,240	6,554	38,265	355	343	497	4,044	51	7,882	100	4,117	41	12,350	124	11,607	126
PEDRO BAY	26	58,988	58,627	33,096	17,989	109,712	60.2	26.1	34.1	28,624	8,635	15,296	189	188	588	1,575	61	3,074	110	766	23	2,298	68	2,907	101
PELICAN	131	1,046,276	346,466	52,007	95,094	493,567	15.1	1.7	13.4	8,193	863	5,751	666	220	44	592	5	1,156	9	4,416	26	7,330	44	7,330	44
PERRYVILLE	36	157,085	106,711	31,345	0	138,056	36.2	7.8	23.2	9,719	2,207	7,512	364	247	289	774	21	1,510	42	1,067	30	3,201	89	2,688	75
PILOT POINT	42	217,372	140,353	51,327	64,817	258,497	31.9	17.0	14.9	43,630	8,731	23,874	431	278	568	2,459	59	4,799	114	2,952	33	6,165	104	8,273	118
PILOT STATION	109	534,546	455,644	36,730	113,785	606,159	41.9	27.5	14.4	166,572	10,093	125,211	409	348	1,149	12,897	118	25,167	231	5,694	42	17,063	123	23,347	191
PIIKAS POINT	34	136,155	120,122	199	45,605	165,926	42.2	26.6	15.6	44,103	53	31,928	334	294	939	3,289	97	6,418	189	1,657	35	4,972	106	6,356	160

\* For communities marked by asterisk, utility rate and PCE rate are from FY96

FY98 Unpublished PCE Statistics  
Division of Energy

(1) COMMUNITY	(2) # of Res Cust	(3) Total kWh Residential	(4) PCE ELIGIBLE kWh			(7) Total	(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercial Reqmnt (\$)	(13) PCE Resid Reqmnt (\$)	(14) Total kWh Per Resid Customer	(15) PCE kWh Per Resid Customer	(16) PCE \$ Per Year Per Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)											400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)			
PLATINUM	18	39,142	33,963	17,052	5,224	56,239	50.2	24.2	26.0	13,615	4,128	8,222	181	157	457	847	47	1,653	92	392	19	1,176	57	1,561	81
POINT HOPE	156	1,365,859	902,971	63,375	83,253	1,049,599	15.0	1.4	13.6	14,380	868	12,371	730	482	79	1,274	8	2,487	16	9,862	58	13,511	79	13,511	79
POINT LAY	52	294,328	246,566	63,083	19,223	328,872	15.0	5.1	9.9	16,772	3,217	12,575	472	395	242	1,295	25	2,528	49	2,658	47	7,974	142	6,103	110
PORT ALSWORTH	60	233,094	179,030	79,486	0	258,516	33.7	13.2	20.6	34,021	10,460	23,560	324	249	393	2,427	40	4,736	79	1,790	30	5,371	90	5,639	94
PORT HEIDEN	63	250,848	109,196	31,049	3,322	143,567	30.0	5.3	24.8	7,537	1,630	5,733	394	172	108	590	11	1,152	22	1,125	21	3,376	62	2,616	48
QUINHAGAK	136	533,343	487,090	66,922	175,670	729,682	39.6	24.7	14.9	180,523	16,557	120,506	327	298	886	12,412	91	24,222	178	6,628	36	10,883	107	24,664	156
RED DEVIL	13	42,165	37,414	22,315	0	59,729	59.8	40.5	19.3	24,172	9,031	15,141	270	240	1,165	1,560	120	3,043	234	374	29	1,122	86	2,231	172
RUBY	124	246,772	219,079	54,054	115,582	388,715	54.2	19.1	35.1	74,361	10,341	41,910	166	147	338	4,317	35	8,424	68	3,347	18	10,340	53	10,559	67
RUSSIAN MISSION	71	262,359	241,819	41,589	40,198	323,606	38.9	26.2	12.7	84,849	10,905	63,405	308	284	893	6,531	92	12,744	175	2,820	34	8,461	102	11,673	153
SAND POINT	271	1,381,737	1,252,933	403,947	530,200	2,196,080	28.8	19.0	9.9	416,157	76,548	237,431	425	385	876	24,455	90	47,724	176	17,921	46	53,764	139	57,717	173
SAVOONGA	147	500,866	482,331	59,695	158,553	700,579	40.3	26.7	13.6	187,335	15,962	128,975	284	273	877	13,284	90	25,924	176	6,409	33	19,227	98	25,109	149
SCAMMON BAY	94	409,038	405,722	58,594	68,921	533,237	40.4	26.3	14.1	140,081	15,393	106,583	434	360	1,134	10,978	117	21,423	228	4,746	43	14,239	129	19,635	194
SELAWIK	167	735,505	664,160	83,056	163,475	910,691	40.8	29.3	11.5	266,832	24,335	184,599	367	331	1,165	20,044	120	39,114	234	8,276	40	24,029	119	35,220	191
SHAGELUK	41	123,027	121,984	27,591	54,487	204,062	41.5	27.6	14.0	56,219	7,601	33,607	250	248	820	3,461	84	6,755	165	1,765	30	5,294	89	6,740	138
SHAKTOOLIK	53	340,315	282,277	61,665	85,934	429,876	40.3	24.8	15.5	106,609	15,293	70,005	535	444	1,321	7,210	136	14,071	265	3,682	53	11,046	160	13,993	232
SHEDDON POINT	36	85,482	85,306	26,380	48,447	160,133	50.0	14.6	35.4	23,443	3,862	12,489	198	197	347	1,286	36	2,510	70	1,338	24	4,013	71	3,786	78
SHISHIMAREF	142	609,940	501,791	51,820	182,841	736,452	30.5	25.8	12.7	190,078	13,375	129,512	358	294	912	13,340	94	26,032	183	6,846	35	20,539	106	25,999	167
SHUNGNAK	58	374,294	295,172	46,265	135,483	476,920	49.9	33.8	16.1	161,247	15,642	99,798	498	424	1,721	10,279	177	20,059	346	4,307	51	12,920	153	18,284	269
SKAGWAY*	517	2,821,030	2,021,881	753,448	658,460	3,433,789	15.6	3.1	12.5	106,447	23,357	62,878	455	326	121	6,456	12	12,598	24	26,803	39	80,410	117	55,898	83
SLEETMUTE	34	83,389	76,989	35,871	16,943	129,803	59.8	40.5	19.3	52,531	14,517	31,157	204	109	916	3,209	94	6,263	184	939	23	2,818	68	4,929	135
ST. GEORGE	55	313,714	265,408	44,854	140,172	450,434	31.7	12.6	19.1	56,620	5,638	33,362	475	402	607	3,436	62	6,706	122	4,056	48	12,167	145	11,001	149
ST. MARY'S	148	721,749	642,614	111,189	246,911	1,000,714	42.2	26.6	15.6	265,990	29,554	170,807	406	362	1,154	17,593	119	34,332	232	8,895	43	26,686	130	34,060	197
ST. MICHAEL	65	334,795	307,981	58,554	121,871	488,406	40.5	25.0	15.5	121,857	14,609	78,841	328	302	904	7,915	93	15,445	182	4,299	36	12,896	109	15,877	158
ST. PAUL	160	1,229,093	898,365	64,982	608,406	1,571,753	34.2	10.3	23.9	161,891	6,693	82,532	640	468	578	9,531	60	18,599	116	15,068	56	45,203	168	37,818	160
STEBBINS	120	442,529	411,305	59,817	158,456	627,578	39.5	24.6	14.9	154,321	14,709	101,140	307	286	843	10,417	87	20,329	169	5,878	34	17,033	103	20,825	148
STEVENS VILLAGE	44	53,793	45,597	15,464	25,364	80,425	55.2	19.1	36.1	16,490	2,951	8,700	102	86	198	896	20	1,749	40	710	10	2,129	31	2,221	39
STONY RIVER	16	40,778	33,295	24,588	22,890	80,773	59.8	40.5	19.3	32,689	9,951	13,474	212	173	842	1,388	87	2,708	169	562	21	1,606	62	2,443	124
TAKOTNA	28	84,764	73,215	36,380	46,919	156,514	48.3	15.8	32.5	24,729	5,748	11,568	252	218	413	1,192	43	2,325	83	1,201	28	3,604	78	3,443	89
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	16.9	30.1	84,393	16,529	50,680	237	225	457	5,220	47	10,187	92	4,020	27	12,061	81	12,642	96
TATILEK	30	157,029	65,744	25,740	58,393	149,867	39.2	12.4	26.8	18,598	3,194	8,159	436	183	272	340	28	1,640	55	1,241	22	3,724	66	3,187	67
TELLER	74	288,164	193,646	90,071	59,375	343,092	53.8	30.2	23.6	103,614	27,201	58,481	302	218	790	6,324	81	11,755	159	2,530	26	7,591	79	10,685	128
TENAKEE SPRINGS	86	196,607	191,597	76,222	35,669	303,488	32.2	15.1	17.1	45,857	11,517	20,950	191	186	337	2,982	35	5,819	68	2,273	22	6,818	67	7,133	75
TETLIN*	50	112,845	102,731	21,031	41,100	164,862	28.3	17.7	10.6	29,181	3,722	18,183	188	171	364	1,873	37	3,655	73	1,438	21	4,315	62	4,538	74
THORNE BAY	187	731,925	670,887	144,328	325,065	1,140,480	25.2	2.9	22.3	33,416	5,233	19,657	326	299	105	2,025	11	3,951	21	9,960	36	29,181	105	20,562	75
THOIAK	207	987,187	838,988	86,235	375,049	1,300,272	39.4	25.3	14.1	328,839	21,809	212,180	397	338	1,025	21,055	106	42,648	206	12,140	41	36,421	122	44,407	178
TOK*	606	3,191,455	2,623,412	611,674	83,589	3,318,675	28.6	14.4	14.2	477,889	88,081	377,771	439	361	623	38,917	64	75,932	125	27,070	43	81,210	130	87,646	142
TOKSOK BAY	183	411,637	452,541	50,688	147,753	650,984	40.5	28.3	14.2	171,144	13,326	118,973	398	386	1,155	12,254	119	23,914	232	8,003	44	18,009	132	23,328	198
TULUKSAK	70	189,882	132,986	11,522	14,628	159,136	40.2	18.4	21.8	29,329	2,124	24,509	226	158	350	2,524	36	4,926	70	1,476	19	4,428	57	5,203	70
TUNTUTULIAK	70	333,371	304,933	41,977	37,051	303,961	48.0	19.8	26.2	75,866	8,307	60,348	356	326	774	6,216	80	12,130	156	3,420	39	10,260	117	12,427	150
TUNUNAK	80	270,437	261,254	55,126	98,781	415,161	40.1	26.6	13.4	110,599	14,688	69,598	282	272	870	7,169	90	13,989	177	3,600	33	10,801	98	13,831	148
UNAIKLEET	252	1,540,738	1,000,111	162,038	445,637	1,607,786	25.5	11.2	14.2	180,715	18,213	112,412	510	331	446	11,578	46	22,595	90	14,457	40	43,372	119	38,433	117
UNALASKA	427	3,991,498	2,201,160	505,336	1,994,613	4,701,109	18.6	4.5	14.1	212,020	22,791	99,272	779	430	232	10,225	24	19,954	47	41,958	52	125,873	155	89,686	116

\* For communities marked by asterisk, utility rate and PCE rate are from FY96.

FY98 Unpublished PCE Statistics  
Division of Energy

April 25, 1999

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
COMMUNITY	# of Res Cust.	Total kWh					Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commer. Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Customer	500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
		Residential	Residential	Commer- cial	Comnty Facils	Total										500 Res Cap (-10.3%) Ann Loss To Utility (\$)	500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	400 Res Cap (-20.1%) Ann Loss To Utility (\$)	400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 ct fl inc Ann Loss to Ave Res Cust (\$)
UPPER KALSKAG	64	295,729	276,316	48,012	39,276	363,604	39.8	26.3	13.5	95,664	12,632	72,699	385	360	1,136	7,488	117	14,612	228	3,158	43	9,468	130	13,231	184
VENETIE	65	152,414	152,235	25,200	81,567	259,002	49.2	11.6	37.6	29,967	2,916	17,614	195	195	271	1,814	28	3,540	54	2,338	23	7,014	70	6,177	70
WAINWRIGHT	125	941,812	607,034	116,386	81,702	805,122	15.0	1.4	13.6	11,030	1,594	8,316	628	405	67	857	7	1,672	13	6,887	49	9,436	67	9,436	67
WALES	54	252,952	181,554	49,242	81,501	312,297	39.3	25.3	13.9	79,136	12,478	46,006	390	280	852	4,739	88	9,247	171	2,631	34	7,892	101	9,626	148
WHALE PASS	31	135,450	116,274	48,968	4,168	169,410	28.2	10.9	17.3	18,533	5,357	12,720	364	313	410	1,310	42	2,557	82	1,204	38	3,613	113	3,480	110
WHITE MOUNTAIN	61	222,287	165,044	37,604	119,266	321,914	48.2	26.7	21.5	85,919	10,037	44,050	394	225	722	4,537	74	8,854	145	2,843	27	8,529	81	9,883	123
YAKUTAT	209	2,068,333	1,363,643	254,676	439,309	2,057,628	26.9	8.5	18.4	175,516	21,724	116,319	825	544	557	11,981	57	23,380	112	18,030	65	54,089	196	45,231	174
TOTALS	24,421	128,761,280	101,023,397	19,069,797	30,167,755	150,260,949				21,857,411	2,864,240	14,663,059	439	345	600	1,510,295	62	2,947,275		1,311,912	41	3,895,156	123	3,912,722	138

\* For communities marked by asterisk,  
utility rate and PCE rate are from FY96.



*distributed by  
Sen. Adams*

4201 Tudor Center, Suite 105,  
Anchorage, Alaska 99508  
Phone: (907) 562-6006  
Fax: (907) 563-2001  
E Mail: RASC@anhb.org

Resolution No. 99-02

**A RESOLUTION IN SUPPORT OF  
POWER COST EQUALIZATION, REVENUE SHARING AND SAFE COMMUNITIES,  
REMOTE MAINTENANCE WORKER (RMW), AND  
RURAL UTILITIES BUSINESS ASSISTANCE (RUBA)  
PROGRAMS**

- WHEREAS, The Alaska Native Health Board (ANHB) is a non-profit organization established in 1968 for the purpose of "promoting the spiritual, physical, mental, social, and cultural well-being and pride of Alaska Native People," and is a legally established statewide organization representing Alaska Natives on public health policy issues; and
- WHEREAS, Since 1992 the Alaska Native Health Board adopted as its legislative priority the improvement of safe water and sanitation services in rural villages of Alaska and has consistently identified rural sanitation as one of its highest public health priorities; and
- WHEREAS, Alaskans living in rural communities throughout the state have substandard and inadequate water and sewer facilities. This lack of standard facilities forces many rural Alaskans to drink untreated or inadequately treated water from ponds, creeks, or rivers, and it results in buckets being used for toilets and outhouses being used for restrooms. Under these circumstances, the same water sources often become indirectly contaminated by leaching sewage and children can become directly exposed to raw sewage pooling near their homes. This undermines every attempt to improve the public health of rural Alaska and creates an acceptance of on-going and potentially life-threatening diseases; and
- WHEREAS, The Rural Alaska Sanitation Coalition was conceived and created from the Alaska Native Health Board's concern for improving Alaska's rural sanitation conditions; and
- WHEREAS, The mission of the Rural Alaska Sanitation Coalition is to bring about positive, long term change in the substandard water, sewer, and solid waste conditions existing in Alaska villages and
- WHEREAS, The Rural Alaska Sanitation Coalition is rural sanitation technicians and village residents from every region of the state who collectively discuss water, sewer, and solid waste issues and develop solutions by working through and improving existing or proposed federal and state mechanisms; and
- WHEREAS, The Rural Alaska Sanitation Coalition is recognized as an advocate for the continuing improvement of rural water and sewer and sanitation facilities and programs; and
- WHEREAS, The Rural Alaska Sanitation Coalition has actively participated in the development of the Governor's Council on Rural Sanitation Rural Sanitation 2005 Action Plan. The Rural Alaska Sanitation Coalition is identified within that document to assist in federal and state agency's development of each year's village sanitation construction projects' baseline performance criteria and priority list guidelines; and

*A statewide coalition committed to bringing about positive long term change in the substandard water, sewer, solid waste, and related environmental health conditions existing in Alaska villages.*

WHEREAS, The Rural Sanitation 2005 Action Plan states the "Power Cost Equalization program has been helping rural electric customers ...[by bringing] the consumer price of electricity in rural Alaska down to a level close to the price prevailing in urban Alaska...Because water and sewer facilities are often large consumers of electricity, PCE is a critical link in making sanitation services affordable in rural Alaska. PCE funds approximately 50 percent of the electrical costs associated with water and sewer systems in rural communities. The loss or reduction of PCE would severely retard implementation of the Rural Sanitation 2005 Action Plan;" and

WHEREAS, The Rural Sanitation 2005 Action Plan states "Funds provided through Revenue Sharing and [the 'Safe Communities' program] have a significant impact on the ability of village governments to afford the operation and maintenance of sanitation facilities...Without the recommended base levels of funding for Revenue Sharing and ['Safe Communities,'] local governments ...will...[find] it difficult if not impossible to collect user fees - a situation which will lead to the further demise of sanitation systems;" and

WHEREAS, The Rural Sanitation 2005 Action Plan Recommendation 1: Maintain the Remote Maintenance Worker (RMW) program at a minimum of thirteen positions, states "These positions will continue current efforts to train local [water and wastewater system] operators, offer communities technical assistance with the operation and maintenance of their facilities, and troubleshoot when system emergencies occur...The long term goals of the RMW program are...assist communities to become self-sufficient...by improving skills...building local capacity ...[and] ensure the maximum design life of sanitation facilities and protect capital investments in rural sanitation systems;" and

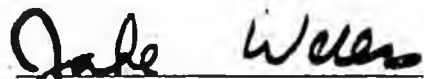
WHEREAS, The Rural Sanitation 2005 Action Plan Recommendation 2: Incrementally expand the Rural Utility Business Advisor (RUBA) program to at least twelve positions, states "The RUBA program equips community officials with the necessary skills to manage their utilities like a business by providing on-site training and assistance..." and

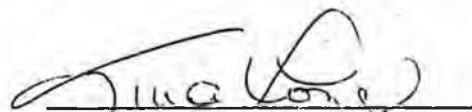
WHEREAS, Decreased and/or elimination of vital State of Alaska funding for programs that help support the improvement of rural Alaska's sanitation may result in unsafe and unsanitary water and wastewater systems and conditions, a deterioration of newly installed and existing systems, possible closure of rural sanitation facilities due to the lack of funds, and detrimental community health effects; and

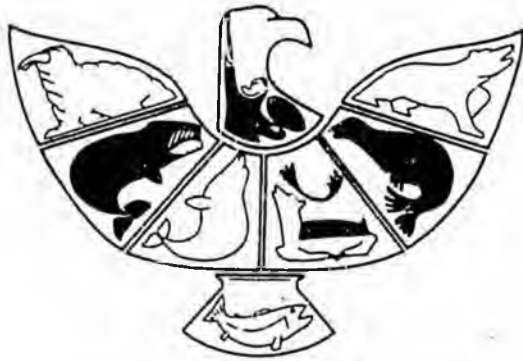
**NOW THEREFORE BE IT RESOLVED, that the Rural Alaska Sanitation Coalition strongly supports and urges the Alaska State Legislature to continue funding Power Cost Equalization, Rural Utilities Business Assistance (RUBA), and the Revenue Sharing and Safe Communities' and to increase funding for the Remote Maintenance Worker (RMW) Programs.**

#### CERTIFICATION

The foregoing resolution was adopted by written vote of the Rural Alaska Sanitation Coalition members, quorum being represented, by vote of 16 in favor, 0 opposed, 0 abstaining, and 3 unavailable, this April 23, 1999.

  
\_\_\_\_\_  
Joe Wells  
Chair  
Rural Alaska Sanitation Coalition

  
\_\_\_\_\_  
Tina Long  
Coordinator  
Rural Alaska Sanitation Coalition



# Alaska Native Health Board

4201 Tudor Centre Dr., Suite 105  
Anchorage, Alaska 99508

Phone: (907) 562-6006  
FAX: (907) 563-2001

Testimony to the Alaska State Legislature Senate Finance Committee  
RE: SBI47 "An Act relating to local contributions under the village safe water program; and providing for an effective date."

April 21, 1999

Hello, my name is Tina Long, Coordinator for the Rural Alaska Sanitation Coalition. Today, I will be testifying on behalf of the Alaska Native Health Board and the Rural Alaska Sanitation Coalition and as an individual who has worked with rural communities and residents for most of my adult life. Both the Alaska Native Health Board and the Rural Alaska Sanitation Coalition are members of the Governor's Council on Rural Sanitation.

The Alaska Native Health Board (ANHB) is a non-profit organization established in 1968 for the purpose of "promoting the spiritual, physical, mental, social, and cultural well-being and pride of Alaska Native People," and is a legally established statewide organization representing Alaska Natives on public health policy issues.

Since 1992 the Alaska Native Health Board adopted as its legislative priority the improvement of safe water and sanitation services in rural villages of Alaska and has consistently identified rural sanitation as one of its highest public health priorities.

The Rural Alaska Sanitation Coalition was conceived and created from the Alaska Native Health Board's concern for improving Alaska's rural sanitation conditions.

The mission of the Rural Alaska Sanitation Coalition is to bring about positive, long term change in the substandard water, sewer, and solid waste conditions existing in Alaska villages.

The Rural Alaska Sanitation Coalition is a group of rural sanitation technicians and village residents from every region of the state who collectively discuss water, sewer, and solid waste issues and develop solutions by working through and improving existing or proposed federal and state mechanisms.

The Rural Alaska Sanitation Coalition is recognized as an advocate for the continuing improvement of rural water and sewer and sanitation facilities and programs.

ALEUTIAN/PRIIBILOF ISLANDS ASSOCIATION  
BRISTOL BAY AREA HEALTH CORPORATION  
CHUGACHMIUT  
COPPER RIVER NATIVE ASSOCIATION  
EASTERN ALEUTIAN TRIBES  
KODIAK AREA NATIVE ASSOCIATION  
MANILAO ASSOCIATION

METLAKATLA INDIAN COMMUNITY  
MT. SANFORD TRIBAL CONSORTIUM  
NATIVE VILLAGE OF EKLUTNA  
NATIVE VILLAGE OF TYONEK  
NINILCHIK TRADITIONAL COUNCIL  
NORTH SLOPE BOROUGH

NORTON SOUND HEALTH CORPORATION  
SELDOVIA VILLAGE TRIBE  
SOUTHCENTRAL FOUNDATION  
SOUTHEAST ALASKA REGIONAL HEALTH CONSORTIUM  
TANANA CHIEFS CONFERENCE  
YUKON-KUSKOKWIM HEALTH CORPORATION  
VALDEZ NATIVE TRIBE

Testimony re: SB147 "An Act relating to local contributions under the village safe water program; and providing for an effective date."

Alaska Native Health Board/Rural Alaska Sanitation Coalition

Page 2 of 2

04/23/99

The Rural Alaska Sanitation Coalition has actively participated in the development of the Governor's Council on Rural Sanitation Rural Sanitation 2005 Action Plan and is identified within that document to assist in federal and state agency's development of each year's village sanitation construction projects' baseline performance criteria and priority list guidelines.

The Alaska Native Health Board and the Rural Alaska Sanitation Coalition oppose Senate Bill 147 which would require local contributions under the Village Safe Water Program, for the following reasons:

- The overall purpose of constructing water and sewer facilities is to improve the public health of the communities.
- Alaskans living in rural communities throughout the state have substandard and inadequate water and sewer facilities. This lack of standard facilities forces many rural Alaskans to drink untreated or inadequately treated water from ponds, creeks, or rivers, and it results in buckets being used for toilets and outhouses being used for restrooms. Under these circumstances, the same water sources often become indirectly contaminated by leaching sewage and children can become directly exposed to raw sewage pooling near their homes. This undermines every attempt to improve the public health of rural Alaska and creates an acceptance of on-going and potentially life-threatening diseases.
- The availability of safe drinking water and sanitary sewer facilities is vital to good health. Lack of water and exposure to human waste leads to high risk of poor hygiene and widespread incidence of sicknesses like hepatitis, food poisoning, dysentery, and other diarrhea illnesses caused by other bacterial and viral agents.
- It is unclear why this Legislation has been proposed in the first place and what the purpose of the match would be. If passed, however, it will have a devastating impact on village economies. Poor communities are those with the highest need. Communities can not afford the match requirement. A community with a \$1.3 million much needed water and sewer project would have to come up with a \$65,000 match. This particular piece of legislation would result in unfair treatment for communities who were unable to provide a match. This would disenfranchise poor communities.
- Additionally, documentation for both the community as well as the Village Safe Water program would be an accounting nightmare. And, there is a great potential for subjectivity being used to qualify matching contributions.
- Burdens placed upon rural communities are already hard, especially with the likelihood of other rate funding being reduced. Communities are already partnering with State and Federal agencies to get their projects accomplished. They are already putting their time and expenses and available resources in projects. They already have the significant burden for operating and maintaining the systems once constructed.
- 71 Village Safe Water Projects are ready to go and would be significantly delayed, reduced, or eliminated if Senate Bill 147 passes and takes effect July 1, 1999. Additionally, this bill puts \$20 million in FY2000 Federal sanitation project funding at risk.

The Alaska Native Health Board and the Rural Alaska Sanitation Coalition urge the committee to oppose the passage of SB 147.

# Fax

**To:** Mary Jackson c/o Senator John Torgerson

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**Fax:** 1-907-465-4779

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**Pages:** 3

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**Phone:**

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**Date:** 4-23-99

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**Re:** Investments in the PCE Fund

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**CC:**

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**Urgent**

**For Review**

**Please Comment**

**Please Reply**

**FYI**

---

• **Comments:**

Mary,

A copy of correspondence with Lamar Cotten to give some clarity (hopefully) to our plan. Also a request for specific information about the PCE fund that I can pass on to HUD. Thanks for your help.

Bruce Kovarik

4300 Boniface Parkway, Anchorage, AK 99504 (907) 338-3970 (907) 338-4904 FAX

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net)

internet home page: <http://www.alaska.net/~aaha>

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# ASSOCIATION OF ALASKA HOUSING AUTHORITIES

4300 Boniface Parkway • Anchorage, AK 99504

Phone (907) 338-3970 • Fax (907) 338-4904

e-mail: [aaha@alaska.net](mailto:aaha@alaska.net) Home Page: <http://www.alaska.net/~aaha>

April 23, 1999

*Alaska Housing  
Finance Corporation*

*Alaska  
Housing Authority*

*Association of Village  
Council Presidents Regional  
Housing Authority*

*Barrow Island  
Housing Authority*

*Living Strata Regional  
Housing Authority*

*Bristol Bay  
Housing Authority*

*Cook Inlet  
Housing Authority*

*Copper River Basin  
Regional Housing Authority*

*Interior Regional  
Housing Authority*

*Kodiak Island  
Housing Authority*

*Metlakatla  
Housing Authority*

*North Pacific Rim  
Housing Authority*

*Northwest Inupiat  
Housing Authority*

*Togiak Peninsula  
Nanaimo (TNMA)*

*Tongue-Point Regional  
Housing Authority*

Lamar Cotten, Deputy Commissioner  
Alaska Department of Community & Regional Affairs  
P.O. Box 112100  
Juneau, AK 99811-2100

Re: Power Cost Equalization

Dear Lamar,

Following up on this morning's conversation, here are some ideas on the mechanics of the Regional Housing Authorities' participation and support for the PCE program.

The most important ingredient in the plan is the "PCE Fund". Whether the existing system will work or a new "fund" is required depends on how well the RHA needs can be met:

- The "fund" must be able to segregate principle and earnings.
- The "fund" must be able to accept transfers of principle as investments from the RHAs, utilities, public corporations, and others (how about PERS??). (To avoid misunderstanding, I am not using the word contribution.) Those investments must be liquid and flexible so that transfers in and out of the fund by the RHAs can be done easily and quickly (one day is the federal standard for liquidity).
- The "fund" must pass muster as an acceptable investment for federal funds. Guidelines for those requirements are included in HUD's PIH 96-33 as Attachment A: "HUD Approved Investment Instruments".

The dates of availability of NAHASDA funds to the RHAs depends upon their individual fiscal year. We have RHAs with fiscal year ends in Sep, Dec, and Mar. Transfers into the "fund" are likely to be made around these times and transfers out of the fund will be made throughout the year. The AAHA plan estimates an average invested balance of \$80 million after the first year or so of implementation. There will be a start-up period and we expect that less than

\$4.8 million can be earned for FY00. Based on the progressive availability of NAHASDA funds for investments, I estimate that \$1.5 million will be a reasonable target for the first year ending June 30, 2000.

Earnings from the investment of these funds are available to support the PCE program. I expect that the "fund" is administered by the State of Alaska, although a bank or other financial institution with "trust" expertise might be a reasonable approach. The most important criteria for the administration of the "fund" is the safety of the investment.

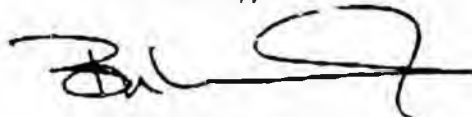
The best approach to the program that I can envision is an incentive-driven arrangement with all of the sources of funding for PCE. To the extent that the RHA investment exceeds estimates or performance of the fund increases earnings, a greater benefit will be available to rural residential customers.

We expect that if approved and implemented, this plan would have a "bandwagon" effect with other federal, state, and quasi-public sources jumping on. An important expectation from us is that this effort is supported by a commitment from the State to continue the program, to permanently endow the fund, and to continue to seek parity between urban and rural ratepayers.

These are some additional thoughts about our plan on a pleasant Friday afternoon. As you need additional information, please contact me. I will be in Bethel next Tuesday through Thursday, but available by voice-mail or e-mail. I will benefit by receiving from the Department as much detail about the PCE fund as seems relevant for our needs. To facilitate moving this plan along, I intend to seek a direct determination from HUD that investments in the Alaska PCE fund are acceptable for NAHASDA funds. Your help will be appreciated.

Have a good weekend. I am available either at this office or my home phone in Eagle River at 696-7424.

Sincerely,



Bruce Kovarik  
Executive Director

Enclosure - HUD PIH 96-33

Pc: AAHA Members/Executive Directors  
Senator John Torgerson  
PCE File  
Chron

**A Fax From The  
Department of Community & Regional Affairs  
Division of Energy**

**Mailing Address:**  
333 West 4th Avenue, Suite 220  
Anchorage, AK 99501-2341

**Physical Address:**  
333 West 4th Avenue, Suite 220  
Anchorage, AK 99501-2341

**Main Telephone Number: (907) 269-4625**

**Director's Fax Number: (907) 269-4645**

**Engineering Fax Number: (907) 269-4685**

Deliver Fax to: Sen. Torgerson's Ofc. / Mary Johnson

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

Fax Phone #: 465-4779

Sender: Dick Emerman

Sender's Phone #: 269-4644

# of Pages Sent: 5 (Includes this cover page)

Date Fax Sent: 4/23

**If you don't receive all of this fax, please call the sender  
DIRECTLY at the phone number listed above.**

**SPECIAL INSTRUCTIONS TO FAX RECIPIENT:**

Earlier this morning, you asked me to  
add a "400 cap" case to this spreadsheet.  
Results are attached.

(P.S. This is not part of the material to be provided  
on Monday).