

**ALASKA LEGISLATURE**

**2112**

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

203

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	883
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 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 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	\$385	\$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  
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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  
Division of Energy

(1) COMMUNITY	(2) # of Res Cust	(3) Total kWh Residential	(4)-(7) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 98* (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 Resid Customer	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			Residential	Commercial	Comnty Facets	Total										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. 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 # inc Ann Loss to Utility (\$)	600 Res Cap & 2.0 ct # inc Ann Loss to Ave Res Cust (\$)
ILAKTOVIK	76	539,288	368,214	87,407	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	86
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	9,882	58	13,511	79	13,511	79
WAINWRIGHT	125	941,812	607,034	116,386	81,702	805,122	15.0	1.4	13.6	11,030	1,594	8,516	828	405	87	857	7	1,672	13	8,887	49	9,438	67	9,438	87
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	1,158	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	38	29,181	105	20,582	75
SKAGWAY*	517	2,821,038	2,021,881	753,448	658,480	3,433,789	15.8	3.1	12.5	106,447	23,357	82,678	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	89,608	116
NOME	1,448	8,930,527	6,335,607	783,990	2,042,310	9,161,987	18.8	4.6	14.0	418,703	35,828	289,541	514	365	200	29,823	21	58,198	40	83,700	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
ATO* SUK	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	184	7,119	127
NIUSUT	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	4,443	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
GORT HEIDEN	53	250,840	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	82	2,818	48
HAINES*	858	4,721,725	3,889,801	916,755	741,307	5,547,863	18.3	8.1	10.2	338,420	55,922	237,278	459	378	277	24,440	28	47,693	56	46,311	45	138,933	136	109,048	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	8,596	32	28,787	96	21,814	78
NAKNEK	685	4,303,766	2,995,839	717,825	902,420	4,616,084	20.7	8.9	13.8	318,202	49,171	205,215	524	364	300	21,137	31	41,248	60	38,983	44	118,948	131	92,931	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	89
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	605	407	397	38,044	41	76,193	80	54,875	49	184,625	147	138,188	128
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	80,814	83	68,758	49	200,287	148	184,988	131
GALENA	211	850,869	757,145	186,136	261,768	1,205,047	32.2	6.4	23.8	101,485	15,673	83,752	336	299	302	6,568	31	12,814	61	10,189	38	30,567	108	25,385	85
YAKUTAT	209	2,068,333	1,363,843	254,876	439,309	2,057,628	26.9	8.5	18.4	175,518	21,724	116,319	825	544	557	11,981	57	23,388	112	18,050	65	54,088	186	45,231	174
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	79,439	99	83,500	57	190,499	172	158,282	154
DE HIEL	1,922	11,040,940	8,152,156	921,357	1,524,587	10,598,100	21.6	8.8	12.8	937,693	81,172	718,205	479	353	374	73,975	38	144,359	75	98,787	42	290,302	127	250,717	115
CHEFORNAK	76	387,599	320,986	39,536	18,544	379,076	34.2	9.1	25.1	34,534	3,802	28,243	425	352	385	3,012	40	5,878	77	3,395	42	10,186	127	8,142	115
ST PAUL	180	1,229,993	898,365	64,982	608,406	1,571,753	34.2	10.3	23.9	181,891	6,693	92,532	640	488	578	9,531	60	18,599	116	15,068	58	45,203	168	37,818	160
BUCKLAND	80	379,883	320,955	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	445,020	67,333	75,894	588,257	28.2	10.9	17.3	64,355	7,366	48,686	483	331	435	5,815	45	9,786	87	5,209	40	15,628	119	14,518	116
NAUKATI	25	457,828	387,869	60,610	19,168	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	58	3,613	113	3,480	110
AKIAK	83	232,885	153,892	17,670	1,557	173,219	39.2	11.8	26.2	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	25.9	28,563	3,924	21,868	248	219	292	2,252	30	4,395	59	2,226	26	6,677	79	6,297	77
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	80	14,457	40	43,372	119	38,433	117
KONGIGANAK	85	386,805	301,937	26,770	88,545	417,252	45.2	11.3	33.9	47,148	3,025	34,119	379	286	401	3,514	41	6,858	81	3,905	36	11,714	107	10,702	105
VENETIE	65	152,414	152,235	25,200	81,587	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
ELFIN COVE	30	118,481	104,774	101,037	18,900	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
FAISE PASS	24	87,941	88,241	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	108
OUZINKIE	75	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	100	4,117	41	12,350	124	11,607	125
TATHLEK	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	407	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

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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				Utility Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmntl (\$)	PCE Commercl Reqmntl (\$)	PCE Resid Reqmntl (\$)	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%) 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 (\$)	
		Residential	Residential	Commercl	Cmnty Facils										Total	Ann Loss To Utility (\$)	Ave Res Cust (\$)	Ann Loss To Utility (\$)	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 (\$)
CHIGNIK	64	243,693	219,887	50,577	94,127	364,531	28.0	12.7	15.3	46,376	6,433	27,970	317	286	437	2,691	45	5,622	88	3,140	34	9,420	103	8,708	107
PORT ALSWORTH	60	233,094	179,030	79,406	0	258,516	33.7	13.2	20.6	34,021	10,460	23,560	324	249	393	2,427	40	4,738	79	1,790	30	5,371	90	5,639	94
MANOKOTAK	95	446,344	385,889	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
AKHOK	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	559,051	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
DOT LAKE*	27	107,167	104,416	54,251	33,520	192,187	28.6	14.4	14.2	27,615	7,812	15,038	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	87,648	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	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	5,064	64,182	250	244	458	6,609	47	12,897	82	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	28	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	643,284	56,140	198,477	897,901	32.0	16.1	15.9	144,652	9,044	103,633	450	412	797	10,874	82	20,830	160	8,418	49	25,253	148	28,184	171
ATKA	28	147,634	95,240	29,851	42,825	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	4,138	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	58	2,864	110	1,002	33	3,005	100	3,293	118
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	12,842	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	450,156	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	16,828	112	18,258	121
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	14,398	51,983	158,388	59.8	18.2	41.7	28,747	2,813	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	14,828	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	190	1,081,965	827,852	93,849	44,228	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	64,463	93	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	18.8	15.0	458,983	41,047	303,695	490	445	992	31,281	102	61,043	199	22,482	53	87,445	160	72,876	198
KAKE	272	1,608,869	1,426,988	174,338	264,270	1,865,598	33.6	18.6	15.0	348,798	32,408	265,262	493	437	975	27,322	100	53,318	196	16,912	52	50,735	157	58,206	195
KASAAN	27	126,289	107,894	35,558	2,584	146,036	33.6	18.6	15.0	27,140	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	14,699	43	44,066	130	53,080	161
KLUKWAN	48	262,718	229,022	17,395	48,428	294,837	33.6	18.8	15.0	54,810	3,234	42,575	456	398	887	4,385	81	9,558	178	2,774	48	8,323	143	9,462	177
SAND POINT	271	1,381,777	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	40	53,764	139	57,717	173
STEVENS VILLAGE	44	53,793	45,587	15,464	25,364	86,425	55.2	19.1	36.1	18,488	2,951	8,780	182	86	198	896	20	1,749	50	710	10	2,129	31	2,221	39
RUBY	124	246,772	219,079	54,054	115,582	388,715	54.2	19.1	35.1	74,381	10,341	41,910	168	147	338	4,317	35	8,424	68	3,347	18	10,948	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	10,238	119	2,759	30	8,277	91	10,223	116
CHIENEGA BAY	24	80,105	77,908	31,862	29,801	138,571	29.7	19.5	10.1	27,356	6,245	15,270	276	271	536	1,573	66	3,069	128	1,077	32	3,231	87	3,566	124
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
TUNTUTULIAK	78	333,371	304,933	41,977	37,051	383,961	48.0	19.8	28.2	75,986	8,307	60,346	358	326	774	6,216	80	12,130	156	3,470	39	10,260	117	12,427	150
FKWOK	48	164,419	160,223	32,125	28,488	228,828	46.2	21.0	19.2	46,418	6,753	33,879	285	276	702	3,469	72	8,769	141	1,887	33	5,661	100	6,913	132
KOIGANEK	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	6,62							

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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 Commercl Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Mo. Customer	PCE kWh Per Mo. Customer	PCE \$ Per Year 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	Comnty Facila	Total																			
DEERING	42	186,762	182,569	37,171	51,342	271,082	38.7	23.9	14.8	64,680	8,869	43,581	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	4,864	128
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,738	41.1	24.2	16.9	82,530	8,274	55,418	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	181	157	457	847	47	1,653	92	392	19	1,178	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	1,878	40	5,628	120	7,636	172
STEBBINS	120	442,529	411,305	59,817	156,456	627,578	39.5	24.6	14.8	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	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	39.8	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	11,048	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	86	13,581	188	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	18,389	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	9,055	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	18,046	186
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
MINTO	74	344,591	329,803	48,503	110,239	488,545	36.9	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	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	38,421	122	41,407	178
WALES	51	252,952	181,554	49,242	81,501	312,287	39.3	25.3	13.9	78,138	12,478	46,006	390	280	852	4,739	88	9,247	171	2,631	34	7,892	101	9,626	148
NULATO	113	463,349	443,533	42,034	219,067	704,634	41.3	25.4	15.8	178,766	10,664	112,524	386	370	1,125	11,590	116	22,617	226	6,626	44	19,078	133	23,928	185
HOLY CROSS	58	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
LARSEN BAY	48	286,012	198,788	65,896	69,184	333,828	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	24,988	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	7,352	108
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	12,193	92	23,715	180	7,207	35	21,621	105	25,814	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	98	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	8,848	35	28,538	106	25,999	157
ELIM	78	345,627	311,270	55,340	142,562	599,172	39.4	26.0	13.5	132,181	14,386	80,806	389	333	1,036	8,323	107	18,242	208	4,538	40	13,615	120	16,758	178
LEVELOCK	48	177,636	158,770	42,710	75,439	278,919	45.2	26.1	19.1	72,220	11,139	41,407	308	276	803	4,265	89	8,323	173	2,342	33	7,028	99	8,622	148
GRAYLING	48	183,338	180,830	47,052	127,378	355,261	40.8	26.1	14.7	92,888	12,276	47,179	318	314	983	4,859	101	9,483	198	3,082	38	9,246	113	10,651	168
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	788	23	2,298	68	2,937	101
RUSSIAN MISSION	71	262,359	241,819	41,589	40,198	323,608	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
SCAMMON BAY	94	489,038	405,722	58,594	68,921	533,237	40.4	26.3	14.1	140,881	15,393	106,583	434	360	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	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
UPPER KALSKAG	64	295,729	276,316	48,812	39,278	363,604	39.8	26.3	13.5	95,884	12,832	72,699	385	360	1,138	7,488	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	13.8	89,861	13,030	63,187	269	253	800	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	236,948	16,183	187,383	312	288	914	19,300	94	37,664	184	8,346	35	25,039	104	31,514	156
IIKAS POINT	34	136,155	120,122	189	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	7,356	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	8,855	43	26,686	130	34,068	177
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	11,811	148
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	3,470	81

\* 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)
																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					Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 90* (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 (\$)
		Residential	Residential	Commer- cial	Comnty Facils	Total																			
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	35,361	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	1,928	28	5,778	83	8,446	125
SAVDONGA	147	506,866	482,331	59,695	158,553	700,579	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	148
ANIAK	173	832,444	800,106	180,334	52,058	1,032,498	48.9	27.0	21.0	278,774	48,690	216,029	401	385	1,249	22,251	129	43,422	251	8,522	48	25,565	139	37,646	212
KALTAC	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	113,705	608,159	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	28	9,423	78	11,198	120
SHAGELUK	41	123,027	121,984	27,591	54,487	204,002	41.5	27.6	14.0	56,219	7,601	33,607	250	248	820	3,461	84	8,755	165	1,765	30	5,234	89	8,740	138
KIVALINA	63	320,324	306,194	37,377	84,174	427,745	39.3	27.6	11.7	118,015	10,312	64,479	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	10,251	127	35,616	247	8,927	45	26,780	134	34,784	207
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	194
ANVIK	45	144,845	136,732	33,460	65,972	238,164	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
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	8,127	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	3,208	22	9,619	87	14,791	105
KWIGILLINGOK	78	325,822	316,049	43,925	18,718	376,690	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	181
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	14.8	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	285,292	33,251	63,695	383,238	42.9	28.7	14.2	109,836	9,530	82,051	328	257	882	8,451	91	18,492	177	3,500	31	10,500	92	14,861	145
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	353	1,260	12,650	130	25,077	253	5,098	44	15,284	131	22,157	208
NUNAPICHUK	109	376,842	375,960	36,653	53,522	466,135	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	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	8,428	51	19,283	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	64	6,188	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	763,004	63,892	328,257	1,155,153	43.1	29.3	13.8	338,608	18,746	223,789	457	351	1,236	23,050	127	44,982	249	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	7,891	44,402	255	247	871	4,573	90	8,925	175	2,024	30	8,071	89	8,310	143
CENTRAL	85	162,501	159,134	108,149	4,403	271,664	50.9	29.5	21.4	80,012	31,850	46,865	159	156	551	4,827	57	9,420	111	1,835	19	4,908	56	7,770	90
AKIACHAK	144	373,168	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
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	998	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	26	7,591	78	10,685	128
EGEGIK	66	201,953	190,881	71,836	70,639	333,358	55.0	30.4	24.6	101,407	21,853	58,066	255	241	880	5,981	91	11,871	177	2,615	29	7,846	87	10,818	143
KARLUK*	13	48,481	45,654	12,586	9,718	57,958	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	12,138	150,380	482	412	1,583	15,489	163	30,228	318	5,737	49	17,211	148	25,996	252
CHIGNIK LAKE	37	391,502	353,576	55,814	59,646	469,835	43.2	32.4	10.8	151,920	18,078	114,523	882	798	3,095	11,796	319	23,019	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	16,787	176
AMBLER	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	15,188	131	21,655	228
SIJUNGNAK	58	374,794	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
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
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
DEIILES*	21	81,940	71,538	68,987	12,932	153,375	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	107	4,069	181
KORUK	34	96,827	93,188	43,364	65,618	202,171	53.2	34.8	18.6	70,012	15,017	32,271	237	228	949	3,324	98	6,486	191	1,588	27	4,764	82	6,708	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	2,791	167
NOATAK	95	508,470	441,155	43,959	231,272	716,386	52.8	38.4	14.4	275,092	16,880	189,404	446	387	1,783	17,440	184	34,050	358	6,724	48	20,173	139	29,988	267

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

FY98 Unpublished PCE Statistics  
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April 25, 1999

(1) COMMUNITY	(2) # of Res Cust.	(3) Total kWh	(4) 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)
			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	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
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	19.8	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	1,668	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	19,069,797	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	121	1,311,912		3,895,156	123	3,912,722	136

\* 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 Cusl	(3)-(6) Total kWh				(7) Total	(8) Utility Res Rate Apr 98* (cents)	(9) PCE Rate (100%) Apr 98* (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 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 cl R Inc Ann Loss to Utility (\$)	500 Res Cap & 2.0 cl R 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	29,108	1,551	17,316	340	311	509	1,784	52	3,480	102	2,019	37	6,058	112	5,560	119
AKIACHAK	14	373,166	297,044	42,802	0	339,646	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
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	4,668	56	4,538	54
AKUTAN	35	155,454	147,225	59,134	133,105	339,464	32.5	22.4	10.1	76,040	13,248	32,978	370	351	942	3,397	97	6,629	189	2,803	42	8,410	126	6,700	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	694	12,153	92	23,715	180	7,207	35	21,621	105	25,814	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	11,199	120
AMBLER	82	404,934	359,297	63,136	146,899	569,332	52.7	33.2	19.5	188,790	20,938	119,143	412	365	1,453	12,272	150	23,948	292	5,082	44	15,188	131	21,655	228
ANAKTUVUK PASS	81	515,536	349,149	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	93,949	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	800,108	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	25,565	139	37,648	212
ANVIK	45	144,845	136,732	33,460	65,972	236,164	40.3	27.9	12.4	65,937	9,342	38,176	268	253	848	3,932	87	7,673	171	2,027	30	6,061	91	7,704	142
ARCTIC VILLAGE	82	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	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	56	239,798	194,925	31,530	11,413	237,868	41.0	15.2	31.9	36,037	4,777	29,531	357	290	527	3,042	54	5,936	106	2,063	35	8,190	104	6,787	117
ATOASUK	50	408,924	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,465	13,956	682	456	279	1,437	29	2,805	56	3,123	55	9,369	184	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	896	13	2,987	39	4,357	84
BETHIEL	1,922	11,040,940	8,152,156	821,357	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	86,787	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
BREVIK MISSION	64	200,538	199,824	26,910	64,475	291,209	40.6	25.2	15.5	73,358	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	10.6	28.2	49,552	4,019	35,278	396	341	441	3,634	45	7,091	89	4,220	41	12,860	123	11,430	119
CENTRAL	85	162,501	159,134	108,149	4,403	271,686	50.9	29.5	21.4	80,012	31,850	48,865	159	156	551	4,827	57	9,420	111	1,835	19	4,906	56	7,770	90
CHALKVITSIK	37	281,703	275,767	185,509	6,996	468,272	60.2	40.9	19.4	181,289	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	3,802	29,243	425	352	385	3,012	40	5,878	77	3,395	42	10,188	127	9,142	115
CHENEGA BAY	24	80,105	77,908	31,862	25,801	139,571	29.7	19.6	10.1	27,356	6,245	15,270	278	271	636	1,573	66	3,069	128	1,877	32	3,231	97	3,566	124
CHEYAK	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	24,986	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	2,881	45	5,622	88	3,140	34	8,420	103	6,708	107
CHIGNIK LAGOON	75	223,636	197,539	35,460	25,037	258,026	37.0	11.1	25.9	28,563	3,924	21,886	248	219	292	2,252	36	4,395	59	2,228	28	6,877	79	6,287	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	107
CHISTOCHINA*	23	91,230	80,096	56,091	8,065	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	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	119	1,092	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	3,420	104	6,689	203	927	25	2,781	75	5,113	149
CIRCLE	34	106,838	102,597	55,950	28,820	197,367	46.2	24.1	24.1	47,565	15,894	24,726	282	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	9,786	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	7,826,295	18.5	8.4	10.1	657,409	96,660	401,063	483	412	418	41,310	43	80,614	83	68,756	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	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	8,968	289	1,212	36	3,635	107	6,792	212
DEERING	42	186,762	182,569	37,171	51,342	271,082	38.7	23.9	14.8	64,880	8,869	43,561	371	382	1,037	4,487	107	8,758	208	2,339	43	7,017	130	8,789	185
DILLINGHAM	955	5,789,388	4,674,129	893,801	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	38	6,100	108	8,027	171

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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 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 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 (\$)	
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	8,819	67	14,791	105
EEK	81	290,936	272,346	22,845	44,848	340,039	40.5	24.8	15.8	64,364	5,868	67,569	299	280	834	6,960	86	13,581	168	3,172	34	9,518	101	12,742	148
EGEGIK	66	201,953	190,881	71,836	70,639	333,356	55.0	30.4	24.8	101,407	21,853	58,066	255	241	880	5,981	91	11,671	177	2,615	29	7,848	87	10,818	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	28,503	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	25.0	13.5	132,181	14,368	80,806	369	333	1,036	8,323	107	16,242	208	4,538	40	13,615	120	18,758	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	3,337	109
FORT YUKON	229	770,991	709,801	155,976	197,091	1,062,808	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	106,136	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	902,865	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	1,888	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	8,224	91	11,385	128
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	8,246	113	10,651	189
G'JSTAVUS	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
HAINES*	858	4,721,725	3,889,801	916,755	741,307	5,547,863	16.3	8.1	10.2	338,420	55,922	237,278	459	378	277	24,440	28	47,893	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	22,325	2,315	19,911	359	321	293	2,051	30	4,062	59	2,620	39	7,858	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	13,708	147	17,184	217
HOONAH	306	1,797,774	1,833,645	220,799	614,534	2,468,978	33.8	18.8	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	188
HOOPER BAY	205	767,744	708,441	61,184	126,200	895,825	41.3	26.5	14.8	236,946	18,183	187,383	312	288	914	19,300	94	37,864	184	8,348	35	25,039	104	34,534	158
HUGHES	32	82,401	58,837	26,832	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	853	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	108,826	9,530	82,051	328	257	882	8,451	91	16,482	177	3,500	31	10,500	92	14,881	146
HYDABURG*	136	830,996	725,606	72,686	180,058	978,351	18.3	7.5	10.7	74,355	5,524	55,146	608	445	405	5,580	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	28	1,898	79	2,804	126
ILIAMNA	209	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	184,529	372	310	931	20,037	96	39,100	187	9,655	37	28,964	112	37,744	183
LAKE	272	1,608,869	1,426,908	174,330	264,270	1,865,808	33.6	18.6	15.0	346,798	32,488	285,262	493	437	975	27,322	100	53,318	196	18,812	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	3,838	14,288	317	293	1,098	1,472	113	2,872	221	554	35	1,661	105	2,485	176
KASAAN	27	126,289	107,851	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	431,391	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,805	124,759	419	363	1,250	12,850	130	25,077	253	5,098	44	15,294	131	22,157	208
KIANA	98	542,809	496,830	77,318	145,048	728,084	38.2	28.9	10.2	206,395	22,375	143,783	462	422	1,467	14,818	151	28,900	295	6,428	51	19,283	152	26,642	242
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
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	140	26,184	171
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
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	14,889	43	44,066	130	53,080	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	867	4,385	91	8,558	178	2,774	48	8,323	143	9,462	177
KORUK	34	96,827	93,188	43,364	65,619	202,171	53.2	34.5	18.8	70,012	15,017	32,271	237	226	949	3,324	98	6,488	191	1,588	27	4,784	87	6,308	147
KOKHANOK BAY	51	156,252	151,027	28,159	51,338	228,524	55.3	29.4	25.																

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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 Commercd 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)
			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 (\$)				
KOTLIK	123	471,235	458,156	43,087	96,102	598,145	30.2	17.2	13.0	102,801	7,549	78,803	319	310	641	8,117	66	15,839	129	5,543	37	16,828	112	18,258	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	83,500	57	190,489	172	158,262	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	18,666	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	67,108	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	63,729	506,067	44.2	15.7	28.6	79,199	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	13,925	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	181
LARSEN BAY	48	206,012	198,768	65,696	69,164	333,628	40.2	25.5	14.7	84,942	16,728	50,606	358	315	1,054	5,212	109	10,172	212	2,879	41	8,038	124	10,182	183
LEVELOCK	48	177,636	158,770	42,710	75,439	276,919	45.2	28.1	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	13,408	179
MANLEY HOT SPR	63	123,579	119,945	71,639	3,774	195,358	60.1	40.5	19.8	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	83	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	5,105	38	15,328	114	18,048	186
MCCRATH	174	878,505	788,025	197,969	322,026	1,308,020	42.8	22.9	19.8	299,013	45,256	180,143	421	377	1,035	10,555	107	38,209	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	181	2,911	30	8,734	81	11,838	137
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	1,703	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	123,162	12,228	83,143	388	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	38,883	44	116,948	131	82,931	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	10,826	115	21,321	224	3,252	34	9,757	102	18,787	176
NAPASKIAK	86	312,967	262,240	36,808	13,667	312,715	45.2	19.4	25.8	80,729	7,148	50,927	303	254	592	5,245	61	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	43,126	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	7,638	172
NEW STUYAHOK	95	549,520	469,496	37,888	104,201	611,585	39.8	32.0	7.8	195,891	12,138	150,380	482	412	1,583	15,489	163	30,226	318	5,737	49	17,211	148	25,998	252
NEWTOK	51	187,883	186,758	1,093	17,471	238,222	54.2	28.1	26.2	68,288	9,002	52,386	307	305	1,027	5,396	106	10,538	206	2,842	37	8,127	110	8,096	171
NIGHTMUTE	45	176,661	125,830	31,334	5,857	163,021	41.0	29.3	11.7	47,718	9,171	38,830	327	233	818	3,794	84	7,403	165	1,317	28	3,951	84	6,188	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	1,928	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	8,139	238	227	653	941	87	1,637	131	552	27	1,857	87	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	189,404	446	387	1,783	17,449	184	34,050	358	8,724	48	20,173	139	28,988	287
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	63,780	44	251,340	131	184,331	89
NOORVIK	144	744,755	541,082	61,951	251,571	854,604	39.7	27.6	12.0	265,853	17,123	177,189	431	371	1,231	18,251	127	35,816	247	8,927	45	26,780	134	34,784	207
NORTHWAY	107	429,700	394,198	91,631	60,436	546,265	29.4	18.8	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
NUJATO	100	463,349	443,533	42,034	219,967	704,634	41.3	25.4	15.9	178,788	10,884	112,524	386	370	1,125	11,590	116	22,617	226	6,826	44	19,878	133	23,928	195
NUJAPITCHUK	109	376,842	375,960	36,653	53,522	466,135	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	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	1,518	15	659	3	1,978	8	2,038	17
OUZINKIE	79	336,420	325,312	54,289	86,339	465,950	30.2	12.1	18.1	58,240	6,554	39,265	355	343	497	4,044	51	7,892	100	4,117	41	12,350	124	11,607	125
PEDRO BAY	26	58,988	58,627	33,096	17,989	109,712	60.2	28.1	34.1	28,624	8,635	15,298	189	188	588	1,575	61	3,074	118	766	23	2,298	68	2,987	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	7,370	44
PERRYVILLE	36	157,085	106,711	31,345	0	138,056	36.2	7.0	23.2	9,719	2,207	7,512	364	247	209	774	21	1,510	47	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	2,052	33	6,155	101	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	349	1,149	12,897	118	25,167	231	5,694	42	17,883	124	21,747	141
PIIKAS POINT	34	136,155	120,122	199	45,605	165,928	42.																		

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(1) COMMUNITY	(2) # of Res Cust	(3) Total kWh Residential	(4) 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 Resid Customer	(17) 500 Res Cap (-10.3%) Ann Loss To Utility (\$)	(18) 500 Res Cap (-10.3%) Ann Loss To Ave Res Cust (\$)	(19) 400 Res Cap (-20.1%) Ann Loss To Utility (\$)	(20) 400 Res Cap (-20.1%) Ann Loss To Ave Res Cust (\$)	(21) 1.0 Cent Floor Inc. Ann. Loss to Utility (\$)	(22) 1.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	(23) 3.0 Cent Floor Inc. Ann. Loss to Utility (\$)	(24) 3.0 Cent Floor Inc. Ann. Loss to Ave Res Cust (\$)	(25) 500 Res Cap & 2.0 ct R Inc Ann Loss to Utility (\$)	(26) 500 Res Cap & 2.0 ct R Inc Ann Loss to Ave Res Cust (\$)	
			Residential	Commercial	Comnty Facils										Total	Ann Loss To	Ann Loss To	Ann Loss To	Ann Loss To	Ann Loss to	Ann Loss to	Ann Loss to	Ann Loss to	Ann Loss to	Ann Loss to
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
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	107	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	9.8	16,772	3,217	12,575	472	395	242	1,295	25	2,528	497	2,658	47	7,974	142	6,103	110
PORT ALSWORTH	60	233,074	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	2,618	48
QUINHAGAK	136	533,343	487,090	66,922	175,670	729,682	39.8	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	24,564	150
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
RUDY	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	11,559	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	82	12,744	179	2,820	34	8,461	107	11,673	153
SAND POINT	271	1,381,737	1,252,933	403,947	539,200	2,193,080	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	18,835	194
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	181
SHAGELUK	41	123,027	121,984	27,591	54,487	204,062	41.5	27.8	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	429,878	40.3	24.8	15.5	106,609	15,293	70,005	535	444	1,321	7,210	135	14,071	285	3,682	53	11,048	160	13,893	232
SHIELDON POINT	36	85,482	85,306	26,380	48,447	160,133	50.0	14.8	35.4	23,443	3,862	12,489	198	197	347	1,285	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	512	13,340	94	26,032	183	8,848	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	538	424	1,721	10,279	177	20,059	346	4,307	51	12,920	153	18,284	289
SKAGWAY*	517	2,821,030	2,021,881	753,448	658,460	3,433,789	15.6	3.1	12.5	108,447	23,357	62,878	455	326	121	6,456	12	12,598	24	28,803	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	12.8	19.1	56,620	5,638	33,362	475	402	607	3,436	62	8,706	122	4,856	48	12,167	145	11,001	149
ST. MARY'S	148	721,749	642,614	111,189	246,911	1,000,714	42.2	26.8	15.6	285,890	29,554	170,807	406	362	1,154	17,593	119	34,332	232	8,895	43	28,686	130	34,060	197
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	998,365	54,982	608,406	1,571,753	34.2	10.3	23.9	161,891	6,893	92,532	640	468	578	8,531	68	18,599	118	15,068	58	45,203	168	37,818	180
STEBBINS	120	442,529	411,305	59,817	158,456	627,578	39.5	24.6	14.9	151,321	14,709	101,140	307	286	843	10,417	87	20,329	169	5,878	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	18,490	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	582	21	1,688	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	85
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	16.9	30.1	84,393	16,529	60,680	237	225	457	5,220	47	10,187	92	4,020	27	12,061	81	12,642	96
TATILEK	30	157,029	85,744	25,740	58,383	149,867	39.2	12.4	26.6	18,598	3,194	8,159	456	183	272	640	78	1,840	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	28	7,591	79	10,685	128
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	87	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	82	4,538	74
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	9,968	36	29,181	105	20,562	75
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
TOK*	686	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	147
TOKSOOK BAY	103	406,637	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	8,003	44	18,009	132	23,328	198
TUUKSUK	70	183,882	132,908	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
TURUTUAK	78	333,371	304,933	41,977	37,051	383,961	46.0	19.8	26.2	75,986	8,307	60,346	350	326	774	6,216	80	12,130	156	3,420	39	10,260	117	12,477	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	13,988	175	3,800	33	10,801	98	13,811	148
UNAI AKIEET	252	1,540,738	1,040,111	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	38,471	117
UNAIASKA	427	3,991,498	2,201,160	505,336	1,894,613	4,701,109	18.6	4.5	14.1	212,020	22,791	99,272	778	430	232	10,225	24	19,854	47	41,958	52	125,873	155	89,608	116

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

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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		ELIGIBLE kWh			Utility Res Rate Apr 99* (cents)	PCE Rate (100%) Apr 99* (cents)	Effective Resid. Rate (cents)	Full PCE Formula Reqmnt (\$)	PCE Commercial Reqmnt (\$)	PCE Resid Reqmnt (\$)	Total kWh Per Resid Customer	PCE kWh Per Resid Customer	PCE \$ 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*	Commercial	Comnlly 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 (\$)
UPPER KALSKAG	64	295,729	276,316	48,012	39,276	363,604	39.8	28.3	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	194
VENETIE	65	152,414	152,235	25,200	81,567	259,002	49.2	11.6	37.6	29,967	2,916	17,014	195	195	271	1,814	28	3,540	54	2,338	23	7,014	70	8,177	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	8,887	48	9,436	67	9,438	67
WALES	54	252,952	181,554	49,242	81,501	312,297	39.3	25.3	13.9	79,138	12,478	46,006	390	280	852	4,739	88	9,247	171	2,631	34	7,892	101	9,828	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	13.4	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	2,847,275	121	1,311,912	41	3,895,156	123	3,912,722	130

\* 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

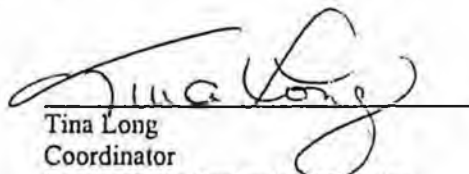
**NOW THEREFORE BE IT RESOLVED, that the Rural Alaska Sanitation Coalition strongly supports and urges the Alaska State Legislature to continue funding Power Cost Equalization, Rural Utilities Business Assistance (RUBA), and the Revenue Sharing and Safe Communities' and to increase funding for the Remote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

#### CERTIFICATION

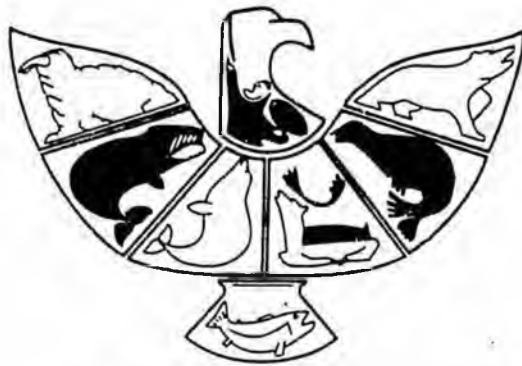
The foregoing resolution was adopted by written vote of the Rural Alaska Sanitation Coalition members, quorum being represented, by vote of 16 in favor, 0 opposed, 0 abstaining, and 3 unavailable, this April 23, 1999.



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: SB147 "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/PRIPILOF 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 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 State 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.



Official Business

# Alaska State Senate

## Senate Finance Committee

Mail Stop 3100  
State Capitol  
Juneau, Alaska 99801-1182

DATE: May 7, 1999  
TO: Senate Finance Committee  
RE: SB 157 Information

### Attachments

- 2 page letter from DCRA regarding commercial user definition
- 1 page letter from DOE regarding school discontinuance from PCE's
- 6 pages from Division of Energy: 1 pg cover sheet & 5 pg spreadsheet

# STATE OF ALASKA

## DEPARTMENT OF COMMUNITY AND REGIONAL AFFAIRS

OFFICE OF THE COMMISSIONER

TONY KNOWLES, GOVERNOR

- P.O. BOX 112100  
JUNEAU, ALASKA 99811-2100  
PHONE: (907) 465-4700  
FAX: (907) 465-2948
- 333 W. 4TH AVENUE, SUITE 220  
ANCHORAGE, ALASKA 99501-2341  
PHONE: (907) 269-4500  
FAX: (907) 269-4520

May 6, 1999

The Honorable John Torgerson  
Alaska State Senator  
Capitol Building  
Juneau, Alaska 99801

Subject: Eligibility of Non-Profit Entities  
Power Cost Equalization Program

Dear Senator Torgerson: *John*

This memorandum is in response to questions you asked concerning the Power Cost Equalization (PCE) program. Under the PCE program, utilities eligible for PCE are entitled to receive power cost equalization for sales of power to "community facilities" for actual consumption of up to 70 kilowatt-hours (kwh) per month for each residence of the community. AS 42.45.110(b)(2) states that for all other classes of customer, an eligible utility can receive up to 700 kwh per month for each customer. The only exception is state or federal offices or facilities – other than public schools. In other words, the only customers not eligible for PCE are state and federal offices and facilities. Public schools are eligible for 700 kwh per month. Other customers who are not community facilities or state or federal offices/facilities are also eligible for PCE for up to 700 kwh per month.

Division of Energy regulations further define the customer classes. 19 AAC 97.270 defines the customer classes as: (A) residential customers of energy for a single-family or multi-family dwelling or residential housing unit; (B) an commercial customer of energy for a business, school, or building other than the customers in (A)(C) and (D); (C) a community facility as defined in AS 42.45.150; (D) state or federal customers.

Under the regulations, a customer that is not a residential customer, or a community facility or a state or federal office or facility is classified as a "commercial" customer. Therefore, public schools are "commercial customers" within the regulatory classification scheme. Nonprofits would also be "commercial customers" unless they fit the definition of "community facility" or were a state or federal office/facility.

John Torgerson  
Page Two  
May 06, 1999

Under AS 42.45.150, "community facility" means a water and sewer facility, public outdoor lighting, charitable educational facility, or community building whose operations are not paid for by the state, the federal government, or private commercial interests. The Division receives monthly reports from utilities concerning the total kwh sold to each class of customer eligible for PCE. The Division responds to inquiries from utilities if the utility has a question concerning what class a customer belongs in. The Division also has followed up with the utility if it receives information which raises an issue concerning whether the utility has classified the customer properly.

I hope this memorandum answers your questions. Please let me know if I can be of further assistance.

Sincerely,

  
Percy Frisby  
Director

# STATE OF ALASKA

## DEPARTMENT OF EDUCATION

### OFFICE OF THE COMMISSIONER

TONY KNOWLES, GOVERNOR

GOLDBELT PLACE  
801 WEST 10TH STREET, SUITE 200  
JUNEAU, ALASKA 99801-1894

(907) 465-2800  
FAX (907) 465-4156

April 21, 1999

APR 26 1999

The Honorable John Torgerson  
Alaska State Legislature  
State Capitol, Room 516  
Juneau, Alaska 99801-1194

Dear Senator Torgerson:

Thank you for your March 26, 1999 letter regarding the Governor's Blue Ribbon Commission on Power Cost Equalization (PCE) recommendation to disallow equalization for commercial facilities, including schools.

Discontinuing the PCE program may affect the costs to schools in two ways. First, direct costs may increase if schools were benefiting from the PCE program. Second, it is possible that discontinuing benefits to small users may result in reallocation of fixed costs to larger users. This would cause increased costs to school districts even if they had not been participating in the program previously.

As you know, the law allows school districts to request a waiver of the requirement from the State Board of Education. The board may grant the waiver if it determines that the failure to meet the requirement is due to circumstances beyond the control of the district. If the discontinuance of the PCE program caused a district to be unable to meet the 70% instructional expenditure requirement they could request a waiver. The department would recommend the State Board approve a waiver request due to the increased cost of power to school districts because of the discontinuance of the PCE program.

Please let me know if you have additional questions.

Sincerely,



Richard S. Cross  
Commissioner

POWER COST EQUALIZATION  
IMPACT OF FLOOR INCREASE AND CAP REDUCTION  
ON RESIDENTIAL CUSTOMERS

DIVISION OF ENERGY  
MAY 6, 1999

(This page accompanies the spreadsheet dated May 6, 1999, and  
labeled "REV9, PCE Rate Sort" in the upper right corner.)

"REV9" differs from "REV8" as follows:

1. New columns (#22-26) are added showing the average impact on residential customers of various combinations of cap reduction and floor increase.
2. Average utility rates, PCE rates, and effective rates (columns 8-10) are shown on the "Totals" row on page 5. These averages are weighted by PCE-eligible residential kWh in each community.

The Division assumes that lowering the residential cap from 700 kWh to 500 kWh per month will reduce PCE-eligible consumption in the residential sector by 10.3%. Extensive monthly data by customer is needed to generate this estimate – data that is not ordinarily entered into the Division's computerized statistics. As a result, the 10.3% estimate is adapted from 10-year old research and must be considered uncertain.

For the case involving a cap reduction from 700 to 600 kWh (column #22), we have assumed that PCE-eligible consumption in the residential sector will decline by 5.0%.

As shown on the "Totals" line on page 5, the average impact on residential consumers overall is nearly the same in the following two cases:

1. Column 21 – increase floor by 7.0 cents.
2. Column 23 – increase floor by 5.0 cents and reduce the monthly cap to 500 kWh.

The Division has previously estimated that reducing the floor to 500 kWh, by itself, will reduce the PCE program cost (i.e. the "full formula requirement") by about \$1.5 million. We have also previously estimated that increasing the PCE floor by 1.0 cent will reduce the PCE program cost by about \$1.3 million. Therefore, reducing the cap to 500 kWh has roughly the same impact on the overall program cost as increasing the floor by 1.0 cent.

Comparing column 21 with column 23 also indicates that the impact on individual consumers is somewhat different in the two cases. In the combination case (column #23), consumers in lower cost / lower rate communities fare somewhat better while those in higher cost / higher rate communities fare somewhat worse.

Finally, we wish to note in response to testimony this morning that the effective rate paid by consumers cannot be less than the PCE floor. For example, if the floor were increased from 9.9 cents to 17.0 cents, no consumer receiving PCE would pay less out-of-pocket than 17.0 cents per kWh.

FY98 Unpublished PCE Statistics  
Division of Energy

(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) Total kWh Per Mo. Per Resid Customer	(14) PCE kWh Per Mo. Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			Per Year Per Resid Cust. (100% Current)	Per Year Per Resid Cust. (85% Current)	Per Year Per Resid Cust. (3.0 ct fl inc)	Per Year Per Resid Cust. (4.0 ct fl inc)								Per Year Per Resid Cust. (5.0 ct fl inc)	Per Year Per Resid Cust. (6.0 ct fl inc)	Per Year Per Resid Cust. (7.0 ct fl inc)	Per Year Per Resid Cust. (600 cap + 6 ct fl)	Per Year Per Resid Cust. (500 cap + 6 ct fl)	Per Year Per Resid Cust. (500 cap + 5 ct fl)	Per Year Per Resid Cust. (500 cap + 4 ct fl)	Per Year Per Resid Cust. (500 cap + 3 ct fl)				
KAKTOVIK	76	539,288	368,214	87,497	40,507	496,208	15.0	1.4	13.6	6,798	1,199	591	404	66	56	0	0	0	0	0	0	0	0	0	0
POINT HOPE	156	1,365,859	902,971	63,375	83,253	1,049,599	15.0	1.4	13.6	14,380	868	730	482	79	67	0	0	0	0	0	0	0	0	0	0
WAINWRIGHT	125	941,812	607,034	116,386	81,702	805,122	15.0	1.4	13.6	11,030	1,594	628	405	67	57	0	0	0	0	0	0	0	0	0	0
PELICAN	131	1,046,276	346,466	52,007	95,094	493,567	15.1	1.7	13.4	8,193	668	668	220	44	37	0	0	0	0	0	0	0	0	0	0
THORNE BAY	187	731,925	670,887	144,528	325,065	1,140,480	25.2	2.9	22.3	33,416	4,235	326	299	105	89	0	0	0	0	0	0	0	0	0	0
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	455	326	121	103	4	9	0	0	0	0	0	0	0	4
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	779	430	232	198	78	26	0	0	0	0	0	0	24	79
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	514	365	200	170	69	25	0	0	0	0	0	0	22	62
ANAKTUVUK PASS	81	515,536	349,449	76,954	20,880	447,283	15.0	5.1	9.9	22,811	3,925	530	360	220	187	91	47	4	0	0	0	0	4	43	81
ATOASUK	50	408,924	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,485	682	456	279	237	115	60	5	0	0	0	5	54	103	
NUIQSUT	86	645,028	433,971	90,777	59,100	583,848	15.0	5.1	9.9	29,776	4,630	625	421	257	219	106	56	5	0	0	0	5	50	95	
POINT LAY	52	294,328	246,566	63,083	19,223	328,872	15.0	5.1	9.9	16,772	3,217	472	385	242	206	100	52	5	0	0	0	0	4	47	89
PORT HEIDEN	53	250,848	109,196	31,049	3,322	143,567	30.0	5.3	24.8	7,537	1,630	384	172	108	99	46	26	5	0	0	0	5	23	42	
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	459	378	277	235	141	95	50	5	0	4	4	45	85	126
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	509	267	205	175	109	77	45	13	0	13	12	41	69	90
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	624	364	300	265	168	125	81	37	0	35	33	73	112	151
PERRYVILLE	36	157,085	106,711	31,345	0	138,056	30.2	7.0	23.2	9,719	2,207	364	247	209	177	120	90	60	31	1	29	28	54	81	107
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	516	413	377	320	228	179	126	79	30	75	71	116	160	205
HOLLIS*	68	292,651	261,983	30,454	0	292,437	18.3	7.6	10.7	22,225	2,315	389	321	293	249	177	139	100	62	23	59	56	90	124	159
HYDABURG*	136	830,996	725,606	72,686	180,059	978,351	18.3	7.6	10.7	74,355	5,524	509	445	405	345	245	192	139	85	32	81	77	124	172	220
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	585	407	397	337	250	201	152	103	54	98	93	136	180	224
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	96,680	483	412	415	353	267	217	168	119	69	113	106	151	195	239
GALENA	211	850,869	757,145	186,136	261,766	1,205,047	32.2	8.4	23.8	101,465	15,673	336	299	302	257	194	159	123	87	51	82	78	110	142	174
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	825	544	557	473	361	298	230	165	100	157	148	207	265	324
KOTZEBUE	799	7,588,633	4,584,877	257,284	1,765,088	6,607,249	20.1	8.6	11.5	569,545	22,178	791	478	495	420	322	265	208	150	93	143	135	186	238	289
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	479	353	374	318	246	204	162	119	77	113	107	145	183	221
CHEFORNAK	76	387,599	320,996	39,536	18,544	379,076	34.2	9.1	25.1	34,534	3,602	425	352	365	327	258	216	174	131	89	125	118	156	194	231
ST. PAUL	160	1,229,093	898,365	64,982	608,406	1,571,753	34.2	10.3	23.3	161,891	6,692	640	468	578	492	410	354	298	241	185	229	217	267	317	368
BUCKLAND	80	379,883	326,955	37,251	95,031	459,237	37.0	10.8	26.2	49,552	4,019	396	341	441	375	318	278	237	196	155	186	176	212	249	286
COFFMAN COVE	112	542,204	445,030	67,333	75,894	588,257	28.2	10.9	17.3	64,355	7,366	403	331	435	369	315	276	236	196	157	186	176	212	247	283
NAUKATI (6 mos)**	25	47,009	44,030	12,458	0	56,488	28.2	10.9	17.3	12,360	2,726	313	294	385	328	280	244	209	174	139	165	156	188	219	251
WHALE PASS	31	135,450	116,274	48,968	4,168	169,410	28.2	10.9	17.3	18,533	5,357	364	313	410	349	298	260	223	185	148	176	166	200	233	267
AKIAK	83	232,885	153,892	17,670	1,657	173,219	39.2	11.0	28.2	19,054	1,944	234	155	204	173	148	130	111	93	74	89	83	100	116	133
CHIGNIK LAGOON	75	223,636	197,539	35,450	25,037	259,026	37.0	11.1	25.9	28,563	3,024	248	219	292	248	213	186	160	134	107	127	120	143	167	191
UNALAKLEET	252	1,540,738	1,063,111	162,038	445,637	1,607,786	25.5	11.2	14.2	180,715	18,213	510	331	446	379	327	287	248	208	168	198	187	222	258	293
KONGIGANAK	85	386,805	301,937	26,770	88,545	417,252	45.2	11.3	33.9	47,149	3,025	379	296	401	341	295	250	224	188	153	179	169	201	233	264
VENETIE	65	152,414	152,235	25,200	81,567	259,002	49.2	11.6	37.6	29,967	2,916	195	195	271	230	201	177	154	130	107	124	117	138	159	180
ELFIN COVE	30	118,481	104,774	101,037	18,980	224,791	22.6	11.8	10.8	26,503	11,912	329	291	412	350	307	272	237	192	167	192	181	213	244	275
FALSE PASS	24	87,941	86,241	35,159	39,176	160,576	42.2	12.0	30.2	19,269	4,219	305	299	431	367	323	287	252	216	180	205	193	226	258	290
OUZINKIE	79	336,420	325,312	54,299	86,339	465,950	30.2	12.1	18.1	56,240	6,654	355	343	497	422	373	332	291	250	209	237	224	261	298	335
TATITLEK	30	157,029	65,744	25,740	58,383	149,867	39.2	12.4	26.8	18,598	3,194	436	183	272	231	206	184	162	140	119	133	126	146	165	185

\* For communities with one asterisk, utility rate and PCE rate are from FY96.

\*\* For communities with two asterisks, usage data is from FY97.

FY98 Unpublished PCE Statistics  
Division of Energy

May 0, 1999  
REV 9, PCE Rate Sort

(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) Total kWh Per Mo. Per Resid Customer	(14) PCE kWh Per Mo. Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)								PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (600 cap + 6 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 6 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 5 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 4 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 3 ct fl)				
ST. GEORGE	55	313,714	265,408	44,854	140,172	450,434	31.7	12.6	19.1	56,620	5,638	475	402	607	516	462	414	365	317	269	301	284	328	371	414
CHIGNIK	64	243,693	219,887	50,577	94,127	364,591	28.0	12.7	15.3	46,376	6,433	317	286	437	371	334	300	265	231	197	219	207	238	269	300
PORT ALSWORTH	60	233,094	179,030	79,486	0	258,516	33.7	13.2	20.6	34,021	10,460	324	249	393	334	303	273	243	214	184	203	192	218	245	272
MANOKOTAK	98	446,344	305,089	30,044	5,321	348,464	35.2	13.5	21.7	46,938	5,125	380	259	419	356	326	295	264	233	201	221	209	237	264	292
AKHIOK	34	138,740	126,855	11,365	75,011	213,231	38.2	13.7	24.6	29,106	1,551	340	311	509	433	397	360	323	285	248	271	256	289	323	356
KOYUKUK	66	81,623	76,071	23,481	29,258	128,810	45.2	13.9	31.3	17,905	3,264	103	96	160	136	126	114	103	91	80	87	82	92	102	113
DOT LAKE*	27	107,167	104,416	54,251	33,520	192,187	28.6	14.4	14.2	27,675	7,812	331	322	557	473	441	402	364	325	286	309	291	326	361	395
MENTASTA*	31	76,936	58,747	17,912	91,358	168,017	28.6	14.4	14.2	24,194	2,579	207	158	273	232	216	197	178	159	140	151	143	160	177	194
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	439	361	623	530	494	450	407	364	320	345	326	365	404	443
SHELDON POINT	36	85,482	85,306	26,380	48,447	160,133	50.0	14.6	35.4	23,443	3,862	198	197	347	295	276	252	228	205	181	194	184	205	226	247
TENAKEE SPRINGS	86	196,687	191,597	76,222	35,669	303,488	32.2	15.1	17.1	45,857	11,517	191	186	337	286	270	248	225	203	181	193	182	202	222	242
ATMAUTLUAK	56	239,798	194,925	31,530	11,413	237,868	47.0	15.2	31.9	36,037	4,777	357	290	527	448	423	388	353	318	284	303	286	317	348	379
KWETHLUK	140	432,988	409,981	32,357	63,729	506,067	44.2	15.7	28.6	79,199	5,064	258	244	458	390	370	341	312	283	253	268	253	280	306	332
TAKOTNA	28	84,764	73,215	36,380	46,919	156,514	48.3	15.8	32.5	24,729	5,748	252	218	413	351	335	309	282	256	230	243	230	253	277	300
FORT YUKON	229	770,991	709,801	155,976	197,091	1,062,868	46.1	16.0	30.1	169,846	24,925	281	258	495	421	402	371	340	309	278	294	277	305	333	361
KIPNUK	130	702,495	643,284	56,140	198,477	897,901	32.0	16.1	15.9	144,652	9,044	450	412	797	678	649	599	550	500	451	475	449	493	538	582
ATKA	28	147,634	95,240	29,851	42,625	167,716	38.2	16.3	21.9	27,338	4,866	439	283	554	471	452	418	384	350	316	333	314	345	375	406
CHITINA	26	102,017	86,682	85,596	13,496	185,774	36.8	16.4	20.4	30,541	14,072	327	278	548	466	448	415	381	348	315	331	312	342	372	402
NORTHWAY	107	429,700	394,199	91,631	60,436	546,265	29.4	16.8	12.6	91,827	15,403	335	307	619	526	509	472	435	398	361	378	357	390	423	456
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	16.9	30.1	84,393	16,529	237	225	457	388	375	348	321	294	267	280	264	288	312	337
PILOT POINT	42	217,372	140,353	51,327	64,817	256,497	31.9	17.0	14.9	43,630	8,731	431	278	568	483	468	435	401	368	335	350	330	360	390	420
KOTLIK	123	471,235	458,156	43,887	95,102	598,145	30.2	17.2	13.0	102,881	7,549	319	310	641	545	529	492	454	417	380	396	374	408	441	474
TETLIN*	50	112,845	102,731	21,031	41,100	154,862	28.3	17.7	10.6	29,181	3,722	188	171	364	309	302	281	261	240	220	228	216	234	252	271
ARCTIC VILLAGE	82	99,782	92,007	14,398	51,983	158,388	59.8	18.2	41.7	28,747	2,613	101	94	204	173	170	159	148	136	125	130	122	132	142	152
TULUKSAK	70	189,882	132,986	11,522	14,628	159,136	40.2	18.4	21.8	29,329	2,124	226	158	350	298	293	274	255	236	217	224	212	229	246	263
ANGOON	198	1,081,965	827,852	93,849	144,228	1,065,929	33.6	18.6	15.0	198,156	17,447	455	348	777	661	652	610	568	526	485	500	472	510	547	585
CHILKAT VALLEY	141	411,681	389,000	64,463	83	453,546	33.6	18.6	15.0	84,314	11,984	243	230	513	436	430	403	375	347	320	330	312	336	361	386
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	490	445	992	844	832	779	726	672	619	639	603	651	699	747
KAKE	272	1,608,869	1,426,908	174,330	264,270	1,865,508	33.6	18.6	15.0	346,798	32,408	493	437	975	829	818	765	713	660	606	627	592	639	687	734
KASAAN	27	126,289	107,894	35,558	2,584	146,036	33.6	18.6	15.0	27,148	6,610	390	333	743	631	623	583	543	503	463	478	451	487	523	559
KLAWOCK	320	1,532,918	1,387,136	260,771	91,717	1,729,624	33.6	18.6	15.0	321,537	48,477	399	361	806	685	676	632	589	546	502	518	490	528	567	606
KLUKWAN	48	262,718	229,022	17,395	48,420	294,837	33.6	18.6	15.0	54,810	3,234	456	396	887	754	744	696	648	601	553	571	539	582	624	667
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	425	385	876	745	737	691	645	599	552	569	537	579	620	661
STEVENS VILLAGE	44	53,793	45,597	15,464	25,364	86,425	55.2	19.1	36.1	16,490	2,951	102	86	198	168	167	156	146	136	125	129	122	131	140	149
RUBY	124	246,772	219,079	54,054	115,582	388,715	54.2	19.1	35.1	74,361	10,341	166	147	338	287	285	267	250	232	214	220	208	224	240	256
NAPASKIAK	86	312,967	262,240	36,808	13,667	312,715	45.2	19.4	25.8	60,729	7,148	303	254	592	503	501	470	440	409	379	389	367	394	422	449
CHENEGA BAY	24	80,105	77,908	31,852	20,801	139,571	29.7	19.6	10.1	27,356	6,245	278	271	636	541	539	506	474	441	409	419	396	425	454	483
CHISTOCHINA*	23	91,230	80,096	56,091	0,965	145,152	36.8	19.7	17.1	28,595	11,050	331	290	686	583	582	547	512	477	442	453	428	459	490	522
TUNTUTULIAK	78	333,371	304,933	41,977	37,051	383,961	46.0	19.8	26.2	75,986	8,307	356	326	774	658	656	617	578	539	500	512	484	519	554	589
EKWOK	48	164,419	160,223	32,125	28,480	220,828	40.2	21.0	19.2	46,418	6,753	285	278	702	596	602	568	535	501	468	476	450	480	510	540
KOLIGANEK	65	214,241	207,157	44,967	6,789	258,913	50.2	21.5	28.7	55,770	9,688	275	266	686	584	591	559	527	495	463	471	444	473	501	530

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\*\* For communities with two asterisks, usage data is from FY97.

FY98 Unpublished PCE Statistics  
Division of Energy

(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%)* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercl Reqmnt (\$)	(13) Total kWh Per Resid Customer	(14) PCE kWh Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			PCE \$ Per Year Por Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl Inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl Inc)								PCE \$ Per Year Per Resid Cust. (5.0 ct fl Inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl Inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl Inc)	PCE \$ Per Year Per Resid Cust. (8.00 cap + 6 ct fl)	PCE \$ Per Year Per Resid Cust. (9.00 cap + 5 ct fl)	PCE \$ Per Year Per Resid Cust. (10.00 cap + 4 ct fl)	PCE \$ Per Year Per Resid Cust. (11.00 cap + 3 ct fl)					
AKUTAN	35	155,454	147,225	59,134	133,105	339,464	32.5	22.4	10.1	76,040	13,246	370	351	942	801	816	774	732	690	648	655	619	657	694	732
MCGRATH	174	878,505	788,025	197,969	322,026	1,308,020	42.6	22.9	19.8	299,013	45,256	421	377	1,035	880	859	854	809	754	718	725	635	726	766	807
DEERING	42	186,762	182,569	37,171	51,342	271,082	38.7	23.9	14.8	64,690	8,869	371	362	1,037	882	907	863	820	776	733	738	696	735	774	813
NIKOLSKI	14	39,992	38,065	27,919	17,178	83,162	40.2	24.0	16.2	19,967	6,703	238	227	653	555	571	544	517	490	462	465	439	464	488	512
CIRCLE	34	106,838	102,597	65,950	28,820	197,367	48.2	24.1	24.1	47,565	15,894	262	251	727	618	637	607	576	548	516	519	490	517	544	571
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,738	40.2	24.2	16.1	82,530	8,274	286	252	729	620	639	608	578	548	518	521	492	519	548	573
PLATINUM	18	39,142	33,963	17,052	5,224	56,239	50.2	24.2	26.0	13,615	4,128	181	157	457	388	400	381	362	344	325	326	308	325	342	359
NELSON LAGOON	42	196,801	167,881	43,126	19,709	230,716	42.2	24.5	17.7	56,433	10,549	371	333	978	831	858	848	778	738	698	701	662	698	734	769
STEBBINS	120	442,529	411,305	59,817	156,456	627,578	40.7	24.6	10.1	154,321	14,799	307	286	843	716	740	706	671	637	603	605	572	602	632	664
COLD BAY	38	287,168	155,151	69,550	99,986	324,687	34.3	24.7	9.5	80,328	17,207	630	340	1,010	859	888	847	806	765	724	727	686	723	760	796
QUINHAGAK	136	533,343	487,090	66,922	175,670	729,682	40.9	24.7	16.1	180,523	16,557	327	298	888	758	779	743	707	671	635	638	602	634	666	698
SHAKTOOLIK	53	340,315	282,277	61,665	85,934	429,876	40.9	24.8	16.1	106,609	15,294	535	444	1,321	1,123	1,161	1,108	1,055	1,001	948	951	898	946	994	1,041
EEK	81	290,936	272,346	22,845	44,848	340,039	40.9	24.8	16.1	84,364	5,668	299	200	834	709	733	700	666	632	599	601	567	597	628	658
KOYUK	73	416,377	351,281	51,705	204,263	607,249	41.0	24.9	16.1	151,084	12,864	475	401	1,197	1,018	1,053	1,005	937	909	860	863	815	858	901	944
ST. MICHAEL	85	334,795	307,981	58,554	121,871	488,406	41.1	25.0	16.1	121,867	14,808	328	302	904	768	795	759	723	687	650	652	616	648	681	713
ILIAMNA	209	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	372	310	949	807	836	798	760	722	684	686	648	682	716	750
MARSHALL	87	379,298	329,175	56,934	181,699	567,806	41.2	25.1	16.1	142,463	14,285	353	315	949	807	836	798	760	722	684	686	648	682	716	750
BREVIK MISSION	64	200,538	199,824	26,910	64,475	291,209	41.3	25.2	16.1	73,356	6,779	261	260	786	669	693	662	630	599	568	569	537	565	593	621
MINTO	74	344,591	329,803	48,503	110,239	488,545	41.4	25.2	16.1	123,162	12,228	388	371	1,124	955	990	945	901	856	812	813	768	808	848	888
TOGIK	207	987,187	838,988	86,235	375,049	1,300,272	41.4	25.3	16.1	328,839	21,809	397	338	1,025	871	903	863	822	782	741	743	701	738	774	810
WALE	54	252,952	181,554	49,242	81,501	312,297	41.5	25.3	16.1	79,136	12,478	390	280	852	724	751	717	684	650	617	618	583	613	644	674
NULATO	100	463,349	443,533	42,034	219,067	704,634	41.5	25.4	16.1	178,766	10,664	386	370	1,125	956	992	948	903	859	815	816	771	810	850	890
HOLY CROSS	68	348,549	334,146	51,862	122,721	508,729	41.5	25.4	16.2	129,115	13,163	427	409	1,247	1,060	1,100	1,051	1,001	952	903	905	854	898	942	986
LARSEN BAY	48	206,012	198,768	65,696	69,184	333,628	40.2	25.5	14.7	84,942	16,726	358	345	1,054	896	930	889	847	806	784	766	723	760	797	834
CHEVAK	140	480,724	477,188	50,672	195,062	722,922	41.5	25.5	16.1	184,201	12,911	286	284	868	738	766	732	698	664	630	631	595	626	657	687
GOLOVIN	57	167,954	139,567	49,321	59,210	248,098	38.2	25.5	12.7	63,240	12,572	246	204	624	531	551	526	502	477	453	453	428	450	472	494
ALAKANUK	132	560,670	462,512	50,547	258,178	771,237	41.7	25.5	16.2	196,743	12,895	354	292	894	760	788	754	719	684	649	649	613	645	676	707
GAMBELL	160	704,919	594,919	66,070	241,976	902,965	42.0	25.8	16.2	232,784	17,033	367	310	959	815	847	810	773	735	698	699	660	693	726	760
SHISHMAREF	142	609,910	501,791	51,820	182,841	736,452	42.0	25.8	16.2	190,078	13,375	358	294	912	775	806	771	735	700	665	665	628	660	691	723
ELIM	78	345,627	311,270	55,340	142,562	509,172	42.1	26.0	16.2	132,181	14,366	369	333	1,036	881	916	876	836	797	757	757	714	750	786	822
LEVELOCK	48	177,636	158,770	42,710	75,439	276,919	45.2	26.1	19.1	72,220	11,139	308	276	863	733	763	730	697	664	631	631	596	625	655	685
GRAYLING	48	183,338	180,830	47,052	127,379	355,261	42.3	26.1	16.2	92,688	12,276	316	314	983	835	870	832	795	757	719	719	679	713	746	780
PEDRO BAY	26	58,988	58,627	33,096	17,989	109,712	60.2	26.1	34.1	28,624	8,635	189	188	588	500	521	498	476	453	430	430	406	427	447	467
RUSSIAN MISSION	71	262,359	241,819	41,589	40,198	323,606	42.4	26.2	16.2	84,849	10,905	308	284	893	759	791	757	723	689	655	654	618	648	679	709
SCAMMON BAY	94	489,038	405,722	58,594	68,921	533,237	42.5	26.3	16.2	140,081	15,393	434	360	1,134	964	1,004	961	918	875	832	831	785	823	862	901
TOKSOOK BAY	103	491,637	452,541	50,688	147,755	650,984	42.5	26.3	16.2	171,144	13,326	398	366	1,155	982	1,023	970	935	891	848	847	800	839	878	918
LOWER KALSKAG	65	269,019	258,830	15,536	87,411	361,777	39.8	26.3	13.5	95,184	4,088	345	332	1,048	891	928	888	849	809	769	768	725	761	797	833
UPPER KALSKAG	64	295,729	276,316	48,012	39,276	363,604	42.5	26.3	16.2	95,664	12,632	385	360	1,136	966	1,006	963	920	877	834	833	787	825	864	903
MEKORYUK	79	254,951	239,436	49,376	51,699	340,511	42.6	26.4	16.2	89,861	13,030	269	253	800	680	709	679	648	618	588	587	554	582	609	638
HOOPER BAY	205	767,744	708,441	61,184	126,200	895,825	42.7	26.5	16.2	236,946	16,183	312	288	914	777	810	776	741	707	672	671	634	665	696	727
PITKAS POINT	34	136,155	120,122	199	45,605	165,926	42.2	26.6	15.6	44,103	53	334	294	939	798	833	798	762	727	692	691	652	684	716	747

\* For communities with one asterisk, utility rate and PCE rate are from FY96.

\*\* For communities with two asterisks, usage data is from FY97.

FY98 Unpublished PCE Statistics  
Division of Energy

May 6, 1999  
REV 9, PCE Ratio Sort

(1) COMMUNITY	(2) # of Res Cust.	(3) Total kWh Residential	(4)-(7) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 99* (cents)	(9) PCE Ratio (100%) Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercl Reqmnt (\$)	(13) Total kWh Per Resid Customer	(14) PCE kWh Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
			Residential	Commercl	Cmnty Facs	Total								PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 cap + 6 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 5 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 4 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 3 ct fl)		
ST. MARY'S	148	721,749	642,614	111,189	246,911	1,000,714	42.8	26.6	16.2	265,990	29,554	406	362	1,154	961	1,024	980	937	894	850	849	802	840	879	918
TUNUNAK	80	270,437	261,254	55,126	98,781	415,161	42.9	26.6	16.2	110,599	14,686	282	272	870	739	772	739	707	674	641	640	605	634	663	692
HUGHES	32	62,401	58,837	26,832	37,482	122,951	51.2	26.7	24.6	32,766	7,097	163	153	490	417	435	416	398	380	361	361	341	357	374	390
WHITE MOUNTAIN	61	222,287	165,044	37,604	119,266	321,914	48.2	26.7	21.5	65,919	10,037	304	225	722	614	641	614	587	560	533	532	502	526	551	575
NIKOLAI	37	105,748	101,825	33,361	90,790	225,976	50.2	26.7	23.5	60,403	9,917	238	229	736	625	653	626	598	570	543	542	512	536	561	586
SAVOONGA	147	500,866	482,331	59,895	156,553	700,579	43.0	26.7	16.2	187,235	15,962	284	273	877	746	779	746	713	681	648	646	610	640	669	699
ANIAK	173	901,694	800,106	180,334	52,058	1,032,498	48.9	27.0	21.9	278,774	48,689	434	386	1,249	1,061	1,116	1,064	1,017	971	925	923	871	913	954	996
KALTAG	69	313,381	286,316	45,073	115,695	447,085	43.6	27.3	16.4	121,920	12,291	378	346	1,132	962	1,007	966	924	883	841	838	792	829	866	903
PILOT STATION	109	534,546	455,644	36,730	113,785	606,159	43.7	27.5	16.3	166,572	10,093	409	348	1,149	876	1,023	992	940	898	856	853	805	843	880	918
ALLAKAKET*	72	191,874	187,155	31,653	126,940	345,748	39.1	27.5	11.6	95,081	8,705	222	217	715	608	637	611	585	559	533	531	501	525	548	571
SHAGELUK	41	123,027	121,984	27,591	54,487	204,062	43.8	27.6	16.3	56,219	7,601	250	248	820	697	730	701	671	641	611	609	575	602	628	655
KIVAFINA	63	320,324	306,194	37,377	84,174	427,745	43.9	27.6	16.3	118,015	10,312	424	405	1,341	1,148	1,195	1,147	1,098	1,049	1,001	997	941	985	1,028	1,072
NOORVIK	144	744,755	641,082	61,951	251,571	954,604	43.9	27.6	16.3	263,853	17,123	431	371	1,231	1,046	1,097	1,052	1,008	963	919	915	864	904	944	984
EMMONAK	126	876,937	775,632	89,881	468,344	1,333,857	44.1	27.8	16.3	370,545	24,969	393	348	1,158	985	1,033	992	950	908	867	863	815	852	890	927
ANVIK	45	144,845	136,732	33,460	65,972	236,164	44.2	27.9	16.3	65,537	9,342	268	253	848	721	757	727	696	666	636	633	597	625	652	679
NEWTOK	51	187,883	186,758	32,093	17,471	236,322	54.2	28.1	26.2	66,286	9,002	307	305	1,027	873	917	881	844	807	771	767	724	757	790	823
EAGLE	139	327,941	308,350	69,721	12,282	390,353	47.5	28.4	19.1	110,782	19,787	197	185	630	535	563	541	519	496	474	472	445	465	485	505
KWIGILLINGOK	78	325,822	316,049	43,925	18,716	378,690	58.2	28.4	21.9	107,586	12,479	348	338	1,151	978	1,030	989	949	908	868	863	815	851	887	924
OLD HARBOR	101	380,885	370,757	39,596	124,564	534,917	44.8	28.5	16.3	152,565	11,289	314	306	1,047	890	936	900	863	826	790	785	741	774	807	840
DIOMEDE	40	163,897	144,490	39,772	58,847	243,109	43.2	28.6	14.6	69,553	11,379	341	301	1,033	878	925	889	853	817	781	776	733	765	797	830
HUSLIA	93	325,049	286,292	33,251	63,695	383,238	45.0	28.7	16.3	109,836	9,530	292	257	882	758	799	759	728	698	667	663	626	653	681	703
KASIGLUK	99	497,189	431,393	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,885	419	368	1,260	1,071	1,129	1,086	1,042	999	955	949	896	935	974	1,013
NUNAPITCHUK	109	376,842	375,960	36,653	53,522	466,135	45.3	28.9	16.3	134,806	10,600	288	287	998	848	894	860	825	791	756	751	709	740	771	802
KIANA	98	542,809	496,830	77,316	145,948	720,094	45.3	28.9	16.3	208,395	22,375	462	422	1,467	1,247	1,315	1,264	1,214	1,163	1,112	1,105	1,043	1,089	1,134	1,180
NIGHTMUTE	45	176,661	125,830	31,334	5,857	163,021	45.8	29.3	16.6	47,716	9,171	327	233	818	696	735	707	679	651	623	618	584	609	634	659
SELAWIK	167	735,505	664,160	83,056	163,475	910,691	45.7	29.3	16.4	266,832	24,335	367	331	1,165	990	1,046	1,006	966	927	887	880	831	867	903	938
MT. VILLAGE	181	992,417	763,004	63,892	328,257	1,155,153	45.7	29.3	16.4	338,806	18,740	457	427	1,236	1,051	1,118	1,068	1,026	983	941	934	882	920	958	998
KOKHANOK BAY	51	156,252	151,027	26,159	51,338	228,524	55.3	29.4	25.9	67,186	7,691	255	247	871	740	782	752	723	693	663	658	622	648	675	701
CENTRAL	85	162,501	159,134	108,149	4,403	271,686	50.9	29.5	21.4	80,012	11,850	159	156	551	469	495	476	456	439	420	417	394	411	427	444
AKIACHAK	144	373,166	297,044	42,802	0	339,846	49.9	29.7	20.2	100,900	12,708	216	172	612	521	551	530	509	489	468	464	438	457	475	494
BEAVER	63	85,399	81,742	30,561	17,825	130,128	40.2	30.1	10.1	39,163	9,199	113	108	391	332	352	339	326	313	300	297	280	292	304	315
TELLER	74	268,164	193,646	90,071	59,375	343,092	53.8	30.2	23.6	103,614	27,201	302	218	790	672	712	686	659	633	607	602	568	592	615	638
EGEGIK	66	201,953	190,881	71,836	70,639	333,356	55.0	30.4	24.6	101,407	21,853	255	241	880	748	793	764	735	706	677	671	634	659	685	711
KARLUK*	13	49,491	45,654	12,586	9,718	67,958	53.3	31.3	22.0	21,271	3,939	317	293	1,099	934	994	959	924	888	853	844	797	828	860	891
NEW STUYAHOK	95	549,520	469,496	37,888	104,201	611,585	48.5	32.0	16.5	195,891	12,136	482	412	1,583	1,346	1,435	1,385	1,336	1,286	1,237	1,222	1,154	1,198	1,243	1,287
CHIGNIK LAKE**	37	191,244	177,800	16,000	33,607	227,407	43.2	32.4	10.8	73,657	5,182	431	400	1,556	1,323	1,412	1,364	1,316	1,268	1,220	1,205	1,138	1,181	1,224	1,267
NAPAKIAK	95	340,706	322,030	39,368	3,206	364,604	47.8	32.9	14.9	129,181	12,968	299	282	1,117	949	1,015	981	947	913	875	868	819	850	890	910
AMBLER	82	404,934	359,297	63,136	146,899	569,332	49.7	33.2	16.6	188,790	20,936	412	365	1,453	1,235	1,322	1,278	1,234	1,190	1,146	1,131	1,067	1,107	1,146	1,185
SHUNGNAK	56	374,284	295,172	46,265	135,483	476,920	50.4	33.8	16.6	161,247	15,642	538	424	1,721	1,463	1,568	1,517	1,466	1,415	1,364	1,345	1,270	1,315	1,361	1,406
IGIUGIG	17	49,843	44,899	19,723	23,610	88,232	58.5	33.8	24.7	29,849	6,672	244	220	893	759	814	788	761	735	709	698	659	683	707	730
GUSTAVUS	286	819,418	793,657	245,810	24,616	1,064,083	51.0	34.1	16.9	362,427	83,723	239	231	945	803	862	834	806	779	751	740	698	723	748	773

\* For communities with one asterisk, utility rate and PCE rate are from FY96.  
\*\* For communities with two asterisks, usage data is from FY97.

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 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 (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct il inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (600 cap + 6 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 6 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 5 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 4 ct fl)	PCE \$ Per Year Per Resid Cust. (500 cap + 3 ct fl)	
			Residential	Commer- cial	Crnly Facils																				Total
BEYTTLES*	21	81,940	71,539	68,907	12,932	153,378	51.8	34.3	17.5	52,609	23,635	325	284	1,168	993	1,066	1,032	998	964	930	916	865	895	926	956
KOBUK	34	96,827	93,188	43,364	65,619	202,171	53.2	34.6	18.6	70,012	15,017	237	228	949	967	957	840	812	785	757	745	704	728	753	778
HEALY LAKE*	13	43,929	40,029	24,910	11,281	76,220	48.2	35.1	13.1	26,753	8,743	202	257	1,081	919	988	958	927	896	865	851	804	831	859	887
NOATAK	95	508,470	441,155	43,959	231,272	716,386	55.2	38.4	16.8	275,092	16,880	446	387	1,783	1,516	1,644	1,587	1,551	1,505	1,458	1,429	1,350	1,391	1,433	1,475
CHUATHBALUK	33	86,687	82,231	24,625	10,483	117,339	59.8	40.5	19.3	47,487	9,966	219	208	1,008	857	934	909	884	859	834	816	770	793	815	838
CROOKED CREEK	31	114,856	110,253	30,958	10,099	152,110	59.8	40.5	19.3	61,559	12,529	309	296	1,439	1,223	1,333	1,297	1,262	1,226	1,190	1,165	1,100	1,132	1,163	1,195
MANLEY HOT SPR.	63	123,579	119,945	71,639	3,774	195,358	60.1	40.5	19.6	79,061	26,992	163	169	771	656	713	694	675	650	637	623	589	606	623	640
RED DEVIL	13	42,165	37,414	22,315	0	59,729	59.8	40.5	19.3	24,172	9,031	270	240	1,165	990	1,078	1,050	1,021	992	963	942	890	916	941	967
SLEETMUTE	34	83,389	76,989	35,871	16,943	129,803	59.8	40.5	19.3	52,531	14,517	204	189	916	779	848	826	803	781	758	742	700	720	741	761
STONY RIVER	16	40,778	33,295	24,588	22,890	80,773	59.8	40.5	19.3	32,669	9,951	212	173	842	716	780	759	738	717	696	681	643	662	681	699
CHALKYITSIK (10 mos.)**	32	41,948	30,654	6,361	355	37,370	60.2	40.9	19.4	18,319	3,118	131	96	470	399	435	424	412	401	389	381	359	370	380	390
TOTALS	24,416	127,461,294	100,196,373	18,408,730	29,964,679	148,569,782	29.5	14.5	15.1	21,497,289	2,671,258	435	342	595	505	473	434	396	361	328	343	324	355	389	424

\* For communities with one asterisk, utility rate and PCE rate are from FY96.

\*\* For communities with two asterisks, usage data is from FY97.

POWER COST EQUALIZATION  
IMPACT OF FLOOR INCREASE ON RESIDENTIAL CUSTOMERS  
DIVISION OF ENERGY  
MAY 5, 1999

(This page accompanies the spreadsheet dated May 5, 1999, and labeled "REV8, PCE Rate Sort" in the upper right corner.)

The highlighted columns (15-21) show the impact on the average residential customer in each utility of raising the PCE floor by 3, 4, 5, 6 or 7 cents compared with what the customer would receive at 100% and 85% of the current formula.

Example – Page 1 bottom. The average residential customer in Venetie would receive:

- \$271 per year in PCE benefits at 100% of the current formula.
- \$230 per year at 85% of the current formula – approximately the amount that is currently received.
- \$201 per year if the PCE floor were raised by 3.0 cents per kWh and the new formula were fully funded.
- \$107 per year if the floor were raised by 7.0 cents and the new formula were fully funded.

The "TOTALS" line on page 5 shows that, across all PCE utilities, the average residential customer would receive:

- \$595 per year in PCE benefits at 100% of the current formula.
- \$505 per year at 85% of the current formula – this is approximately the average benefit today.
- \$473 per year if the PCE floor were raised by 3.0 cents and the new formula were fully funded. This is 6.3% less than the average benefit today.
- \$434 per year if the floor were raised by 4.0 cents – 14.1% less than today.
- \$396 per year if the floor were raised by 5.0 cents – 21.6% less than today.
- \$361 per year if the floor were raised by 6.0 cents – 28.5% less than today.
- \$328 per year if the floor were raised by 7.0 cents – 35.0% less than today.

FY98 Unpublished PCE Statistics  
Division of Energy

May 5, 1999  
REV 8, PCE Rate Sort

(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) Total kWh Per Mo. Per Resid Customer	(14) PCE kWh Per Mo. Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)
			Residential	Commer- cial	Cmnty Facils	Total								PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)
KAKTOVIK	76	539,288	368,214	87,487	40,507	496,208	15.0	1.4	13.6	6,798	1,199	591	404	66	56	0	0	0	0	0
POINT HOPE	158	1,365,859	902,971	63,375	83,253	1,049,599	15.0	1.4	13.8	14,380	868	730	482	79	67	0	0	0	0	0
WAINWRIGHT	125	941,812	607,034	118,388	81,702	805,122	15.0	1.4	13.8	11,030	1,504	028	405	67	57	0	0	0	0	0
PELICAN	131	1,046,276	346,466	52,007	95,094	493,567	15.1	1.7	13.4	8,183	863	668	220	44	37	0	0	0	0	0
THORNE BAY	187	731,925	670,887	144,528	325,085	1,140,480	25.2	2.9	22.3	33,418	4,235	328	299	105	89	0	0	0	0	0
SKAGWAY*	517	2,821,030	2,021,881	753,446	656,460	3,433,768	15.6	3.1	12.5	106,447	23,357	455	320	121	103	4	0	0	0	0
UNALASKA	427	3,991,498	2,201,160	505,338	1,994,613	4,701,109	18.6	4.5	14.1	212,020	22,791	778	439	232	198	78	28	0	0	0
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	514	305	200	170	69	25	0	0	0
ANAKTUVUK PASS	81	515,536	349,449	76,954	26,880	447,283	15.0	5.1	9.9	22,811	3,925	530	380	220	187	91	47	4	0	0
ATOASUK	50	408,024	273,650	68,331	38,634	380,615	15.0	5.1	9.9	19,411	3,485	662	458	278	237	115	80	5	0	0
NUIQSUT	86	645,028	433,971	80,777	59,100	583,848	15.0	5.1	9.9	29,776	4,630	625	421	257	219	108	56	5	0	0
POINT LAY	52	294,328	246,586	63,883	19,223	328,872	15.0	5.1	9.9	16,772	3,217	472	395	242	206	100	52	5	0	0
PORT HEIDEN	53	250,848	109,196	31,049	3,322	143,567	30.0	5.3	24.8	7,537	1,630	394	172	108	82	40	28	5	0	0
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	459	378	277	235	141	95	50	5	0
KING COVE	180	1,089,881	578,053	141,802	383,527	1,101,382	20.2	6.4	13.8	70,709	9,104	509	287	205	175	109	77	45	13	0
NAKNEK	685	4,303,768	2,995,839	717,825	802,420	4,616,084	20.7	6.9	13.8	316,202	49,171	524	364	300	255	168	125	81	37	0
PERRYVILLE	38	157,085	106,711	31,345	0	138,056	30.2	7.0	23.2	9,719	2,207	364	247	209	177	120	90	60	31	1
CRAIG*	697	4,312,545	3,458,048	849,489	1,249,625	5,555,142	18.3	7.6	10.7	422,181	64,560	518	413	377	320	228	178	129	79	30
HOLLIS*	68	292,651	261,983	30,454	0	292,437	18.3	7.6	10.7	22,225	2,315	359	321	293	249	177	139	100	62	23
HYDABURG*	136	830,996	725,608	72,886	180,059	978,351	18.3	7.6	10.7	74,355	5,524	509	445	405	345	245	192	139	85	32
DILLINGHAM	958	5,789,388	4,674,129	893,881	813,379	6,381,369	18.9	8.1	10.8	517,529	72,492	505	407	397	337	250	201	152	103	54
CORDOVA	968	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	483	412	415	353	287	217	188	119	69
GALENA	211	850,869	757,145	186,138	281,766	1,205,047	32.2	8.4	23.8	101,465	15,673	338	299	302	257	194	159	123	87	51
YAKUTAT	209	2,068,333	1,383,843	254,670	439,309	2,057,628	26.9	8.5	18.4	175,516	21,724	825	544	557	473	381	298	230	185	100
KOTZEBUE	799	7,588,638	4,584,877	257,284	1,765,088	6,607,249	20.1	8.0	11.5	569,545	22,178	791	478	495	420	322	265	208	150	93
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	479	353	374	318	246	204	182	119	77
CHEFORNAK	76	387,599	320,990	39,536	18,544	378,070	34.2	9.1	25.1	34,534	3,602	425	352	385	327	258	216	174	131	80
ST.PAUL	160	1,229,093	898,365	64,982	608,400	1,571,753	34.2	10.3	23.9	161,891	6,693	640	468	578	492	410	354	298	241	185
BUCKLAND	80	379,883	326,955	37,251	95,031	459,237	37.0	10.8	26.2	49,552	4,019	398	341	441	375	318	278	237	186	155
COFFMAN COVE	112	542,204	445,030	87,333	75,894	588,257	28.2	10.9	17.3	64,355	7,386	403	331	435	389	315	276	238	188	157
NAUKATI (6 mos)**	25	47,009	44,030	12,458	0	56,488	28.2	10.9	17.3	12,360	2,728	313	294	385	328	280	244	209	174	139
WHALE PASS	31	135,450	116,274	48,988	4,108	169,410	28.2	10.9	17.3	18,533	5,357	364	313	410	349	298	260	223	185	148
AKIAK	83	232,885	153,892	17,870	1,657	173,219	39.2	11.0	28.2	19,054	1,944	234	155	204	173	148	130	111	93	74
CHIGNIK LAGOON	75	223,630	197,539	35,450	25,037	258,026	37.0	11.1	25.9	28,563	3,924	248	219	292	248	213	186	160	134	107
UNALAKLEET	252	1,540,738	1,000,111	102,028	445,637	1,607,786	25.5	11.2	14.2	180,715	18,213	510	331	446	379	327	287	248	208	168
KONGIGANAK	85	386,805	301,937	28,770	88,545	417,252	45.2	11.3	33.9	47,149	3,025	379	296	401	341	295	259	224	188	153
VENETIE	65	152,414	152,235	25,200	81,507	259,002	49.2	11.0	37.6	29,987	2,918	195	105	271	230	201	177	154	130	107

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FY98 Unpublished PCE Statistics  
Division of Energy

May 5, 1999  
REV 8, PCE Rate Sort

(1) COMMUNITY	(2) # of Res Cust.	(3) Total kWh Residential	(4) PCE ELIGIBLE kWh				(8) Utility Res Rate Apr 99* (cents)	(9) PCE Rate Apr 99* (cents)	(10) Effective Resid. Rate (cents)	(11) Full PCE Formula Reqmnt (\$)	(12) PCE Commercl Reqmnt (\$)	(13) Total kWh Per Resid Customer	(14) PCE kWh Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)
			Residential	Commer- cial	Comny Facils	Total								PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)
ELFIN COVE	30	118,481	104,774	101,037	18,980	224,791	22.6	11.8	10.8	26,503	11,912	329	291	412	350	307	272	237	202	167
FALSE PASS	24	87,941	88,241	35,159	38,176	160,576	42.2	12.0	30.2	19,269	4,219	305	299	431	387	323	287	252	216	180
OUZINKIE	79	336,420	325,312	54,299	80,339	465,950	30.2	12.1	18.1	56,240	6,554	355	343	497	422	373	339	291	250	209
TATITLEK	30	157,029	65,744	25,740	58,383	149,887	39.2	12.4	28.8	18,598	3,194	436	183	272	231	206	184	162	140	119
ST. GEORGE	55	313,714	285,406	44,854	140,172	450,434	31.7	12.8	19.1	56,620	5,638	475	402	607	516	462	414	365	317	269
CHIGNIK	64	243,693	219,887	50,577	94,127	364,591	28.0	12.7	15.3	46,376	6,433	517	280	437	371	334	309	285	231	197
PORT ALSWORTH	60	233,094	179,030	79,488	0	258,518	33.7	13.2	20.6	34,021	10,460	324	249	393	334	303	273	243	214	184
MANOKOTAK	98	446,344	395,099	38,044	5,321	348,464	35.2	13.5	21.7	46,938	5,125	380	259	419	356	326	295	264	233	201
AKHIOK	34	138,740	126,855	11,365	75,011	213,231	38.2	13.7	24.6	29,108	1,551	340	311	508	433	387	360	323	285	248
KOYUKUK	66	81,623	76,071	23,481	29,258	128,810	45.2	13.9	31.3	17,905	3,264	103	96	160	136	126	114	103	91	80
DOT LAKE*	27	167,167	164,416	54,251	33,520	192,187	28.6	14.4	14.2	27,875	7,812	331	322	557	473	441	402	384	325	286
MENTASTA*	31	76,936	58,747	17,912	91,358	168,017	28.6	14.4	14.2	24,194	2,579	207	158	273	232	216	197	176	159	140
TOK*	608	3,191,455	2,623,412	611,874	83,589	3,318,675	28.6	14.4	14.2	477,889	88,081	439	361	623	530	484	450	407	384	320
SHELDON POINT	36	85,482	85,306	26,380	48,447	100,133	50.0	14.6	35.4	23,443	3,862	198	197	347	295	276	252	228	205	181
TENAKEE SPRINGS	86	198,687	191,597	76,222	35,669	303,488	32.2	15.1	17.1	45,857	11,517	191	186	337	280	270	248	225	203	181
ATMAUTLUAK	56	239,798	194,925	31,530	11,413	237,868	47.0	15.2	31.9	36,037	4,777	357	290	527	448	423	388	353	318	284
KWETHLUK	140	432,988	409,981	32,357	63,729	508,067	44.2	15.7	28.6	79,199	5,064	258	244	458	390	370	341	312	283	253
TAKOTNA	28	84,764	73,215	36,380	46,919	156,514	48.3	15.8	32.5	24,729	5,748	252	218	413	351	335	309	282	256	230
FORT YUKON	229	770,991	709,801	155,978	197,091	1,062,868	48.1	16.0	30.1	169,846	24,925	281	258	495	421	402	371	340	309	278
KIPNUK	130	702,495	643,284	58,140	198,477	897,901	32.0	18.1	15.9	144,652	9,044	450	412	797	678	649	599	550	500	451
ATKA	28	147,634	95,240	20,851	42,825	167,716	38.2	18.3	21.9	27,338	4,866	439	283	554	471	452	418	384	350	318
CHITINA	26	102,017	86,682	85,596	13,498	185,774	38.8	18.4	20.4	30,541	14,072	327	278	548	468	448	415	381	348	315
NORTHWAY	107	429,700	394,198	91,031	60,438	546,265	29.4	18.8	12.6	91,827	15,403	335	307	619	526	509	472	435	398	361
TANANA	111	315,647	300,236	97,919	101,804	499,959	47.0	18.9	30.1	84,393	16,529	237	225	457	388	375	348	321	284	267
PILOT POINT	42	217,372	140,353	51,327	64,817	256,491	31.9	17.0	14.9	43,630	8,731	431	278	568	483	468	435	401	368	335
KOTLIK	123	471,235	458,156	43,887	96,102	598,145	30.2	17.2	13.0	102,881	7,549	319	310	641	545	529	492	454	417	380
TETLIN*	50	112,845	102,731	21,031	41,100	164,862	28.3	17.7	10.6	29,181	3,722	188	171	364	309	302	281	261	240	220
ARCTIC VILLAGE	82	99,782	92,007	14,398	51,983	158,368	59.8	18.2	41.7	28,747	2,613	101	94	204	173	170	159	148	138	125
TULUKSAK	70	189,882	132,986	11,522	14,628	159,136	40.2	18.4	21.8	29,329	2,124	228	158	350	288	293	274	255	236	217
ANGOON	198	1,081,965	827,852	93,849	144,228	1,065,923	33.6	18.6	15.0	198,158	17,447	455	348	777	661	652	610	568	528	485
CHILKAT VALLEY	141	411,681	389,000	84,463	83	453,546	33.6	18.6	15.0	84,314	11,984	243	230	513	436	430	403	375	347	320
HOONAH	306	1,797,774	1,633,645	220,799	814,534	2,468,978	33.6	18.8	15.0	458,983	41,047	490	445	992	844	832	779	726	672	619
KAKE	272	1,603,869	1,428,908	174,330	264,270	1,865,508	33.6	18.6	15.0	346,798	32,408	493	437	875	829	818	765	713	660	608
KASAAN	27	126,289	107,894	35,558	2,584	140,036	33.6	18.6	15.0	27,148	6,610	390	333	743	631	623	583	543	503	463
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	399	361	808	685	676	632	589	546	502
KLUKWAN	48	262,718	229,022	17,395	48,420	294,837	33.6	18.6	15.0	54,810	3,234	456	398	887	754	744	696	648	601	553
SAND POINT	271	1,381,737	1,252,913	403,947	539,200	2,196,080	28.8	19.0	9.9	416,157	76,548	425	385	876	745	737	691	645	599	552

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FY98 Unpublished PCE Statistics  
Division of Energy

May 5, 1999  
REV 8, PCE Rate Sort

(1) COMMUNITY	(2) # of Res Cusl.	(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) Total kWh Per Mo. Per Resid Customer	(14) PCE kWh Per Mo. Per Resid Customer	(15)	(16)	(17)	(18)	(19)	(20)	(21)
			Residential	Commer- cial	Crnly Facils	Total								PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)
STEVENS VILLAGE	44	53,793	45,597	15,464	25,364	66,425	55.2	19.1	36.1	18,400	2,951	102	86	188	168	167	158	146	136	125
RUBY	124	246,772	219,079	54,054	115,582	388,715	54.2	19.1	35.1	74,361	10,341	166	147	338	287	285	287	250	232	214
NAPASKIAK	86	312,967	282,240	36,808	13,687	312,715	45.2	19.4	25.8	60,729	7,148	303	254	592	503	501	470	440	409	379
CHENEGA BAY	24	60,105	77,505	31,502	29,001	139,571	29.7	19.9	10.1	27,358	6,245	278	271	638	541	539	506	474	441	409
CHISTOCHINA*	23	91,230	80,096	56,091	8,965	145,152	36.8	19.7	17.1	28,595	11,050	331	290	686	583	582	547	512	477	442
TUNTUTULIAK	78	333,371	304,933	41,977	37,051	383,961	46.0	19.8	26.2	75,986	8,307	356	326	774	658	656	617	578	539	500
EKWOK	46	164,419	160,223	32,125	28,480	220,828	40.2	21.0	19.2	46,418	6,753	285	278	702	596	602	568	535	501	468
KOLIGANEK	65	214,241	207,157	44,967	6,789	258,913	50.2	21.5	28.7	55,770	9,686	275	266	686	584	591	559	527	495	463
AKUTAN	35	155,454	147,225	59,134	133,105	339,464	32.5	22.4	10.1	76,040	13,246	370	351	942	801	816	774	732	690	648
MCGRATH	174	878,505	788,025	197,969	322,026	1,308,020	42.6	22.9	19.8	299,013	45,258	421	377	1,035	880	899	854	809	764	718
DEERING	42	186,762	182,569	37,171	51,342	271,082	38.7	23.9	14.8	64,680	8,869	371	362	1,037	882	907	863	820	776	733
NIKOLSKI	14	39,992	38,085	27,919	17,178	83,162	40.2	24.0	16.2	19,967	6,703	238	227	653	555	571	544	517	490	462
CIRCLE	34	106,838	102,597	65,950	28,820	197,367	48.2	24.1	24.1	47,565	15,694	262	251	727	618	637	607	576	546	516
GOODNEWS BAY	76	260,754	229,466	34,259	78,013	341,736	40.2	24.2	16.1	82,530	8,274	286	252	729	620	639	608	576	546	516
PLATINUM	18	39,142	33,963	17,052	5,224	56,239	50.2	24.2	26.0	13,615	4,128	181	157	457	388	400	381	382	344	325
NELSON LAGOON	42	166,801	167,881	43,126	19,709	230,716	42.2	24.5	17.7	58,433	10,549	371	333	978	831	858	818	778	738	698
STEBBINS	120	442,529	411,305	59,817	156,458	627,578	40.7	24.6	16.1	154,321	14,709	307	286	843	716	740	706	671	637	603
COLD BAY	38	287,168	155,151	69,550	89,986	324,687	34.3	24.7	9.5	80,328	17,207	630	340	1,010	859	888	847	806	765	724
QUINHAGAK	136	533,343	487,090	66,922	175,670	729,682	40.9	24.7	16.1	180,523	16,557	327	298	888	753	779	743	707	671	635
SHAKTOOLIK	53	340,315	282,277	81,665	85,934	429,876	40.9	24.8	16.1	106,609	15,293	535	444	1,321	1,123	1,161	1,108	1,055	1,001	946
EEK	81	290,936	272,346	22,845	44,848	340,039	40.9	24.8	16.1	84,364	5,668	299	280	834	709	733	700	666	632	599
KOYUK	73	416,377	351,281	51,705	204,263	607,249	41.0	24.0	16.1	151,084	12,864	475	401	1,197	1,018	1,053	1,005	957	909	860
ST. MICHAEL	85	334,795	307,981	58,554	121,871	488,406	41.1	25.0	16.1	121,857	14,609	328	302	904	788	795	759	723	687	650
ILIAMNA	208	933,293	777,496	239,137	187,976	1,204,609	46.5	25.0	21.4	301,393	59,832	372	310	931	791	819	782	745	708	670
MARSHALL	87	370,298	329,175	56,934	181,699	567,808	41.2	25.1	16.1	142,463	14,285	363	315	949	807	836	798	760	722	684
BREVIG MISSION	64	200,538	199,824	26,910	64,475	291,209	41.3	25.2	16.1	73,358	6,779	261	260	786	689	693	662	630	599	568
MINTO	74	344,591	329,803	48,503	110,239	488,545	41.4	25.2	16.1	123,162	12,228	388	371	1,124	955	990	945	901	856	812
TOGIAK	207	987,187	838,988	86,235	375,049	1,300,272	41.4	25.3	16.1	328,839	21,809	397	338	1,025	871	903	863	822	782	741
WALES	54	252,952	181,554	49,242	81,501	312,297	41.5	25.3	16.1	79,136	12,478	390	280	852	724	751	717	684	650	617
NULATO	100	463,349	443,533	42,034	219,067	704,634	41.5	25.4	16.1	178,766	10,664	386	370	1,125	958	992	948	903	859	815
HOLY CROSS	68	348,549	334,146	51,862	122,721	508,729	41.5	25.4	16.2	129,115	13,163	427	409	1,247	1,080	1,100	1,051	1,001	952	903
LARSEN BAY	48	200,012	198,768	65,698	69,164	333,628	40.2	25.5	14.7	84,942	16,726	358	345	1,054	898	930	889	847	808	764
CHEVAK	140	480,724	477,188	50,672	195,062	722,922	41.5	25.5	16.1	184,201	12,911	288	284	868	738	766	732	698	664	630
GOLOVIN	57	167,954	139,567	49,321	59,210	248,098	38.2	25.5	12.7	63,240	12,572	246	204	624	531	551	526	502	477	453
ALAKANUK	132	560,670	462,512	50,547	258,178	771,237	41.7	25.5	16.2	186,743	12,895	354	292	894	760	789	754	719	684	649
GAMBELL	160	704,919	594,919	60,070	241,976	902,965	42.0	25.8	16.2	232,784	17,033	367	310	959	815	847	810	773	735	698
SHISHMAREF	142	609,940	501,791	51,820	182,841	736,452	42.0	25.8	16.2	190,078	13,375	358	294	912	775	806	771	735	700	665

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			Residential	Commercl	Comnly Facils	Total								PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)
ELIM	78	345,627	311,270	55,340	142,582	509,172	42.1	26.0	16.2	132,181	14,388	369	333	1,036	881	916	876	836	797	757
LEVELOCK	46	177,636	158,770	42,710	75,439	276,919	45.2	26.1	19.1	72,220	11,139	308	276	883	733	763	730	697	664	631
GRAYLING	46	183,338	180,830	47,052	127,379	355,281	42.3	26.1	16.2	82,886	12,276	318	314	983	835	870	832	795	757	719
PEDRO BAY	26	58,988	58,627	33,096	17,989	109,712	60.2	26.1	34.1	28,624	8,835	189	188	588	500	521	498	476	453	430
RUSSIAN MISSION	71	262,359	241,819	41,589	40,188	323,006	42.4	26.2	16.2	84,849	10,905	308	284	893	759	791	757	723	689	655
SCAMMON BAY	94	489,038	405,722	58,594	68,921	533,237	42.5	26.3	16.2	140,081	15,393	434	360	1,134	984	1,004	961	918	875	832
TOKSOOK BAY	103	491,637	452,541	50,888	147,755	650,984	42.5	26.3	16.2	171,144	13,326	396	368	1,155	982	1,023	979	935	891	848
LOWER KALSKAG	65	269,019	258,830	15,538	87,411	361,777	39.8	26.3	13.5	95,184	4,088	345	332	1,048	891	928	888	849	809	769
UPPER KALSKAG	64	295,729	276,316	48,012	39,276	363,604	42.5	26.3	16.2	95,664	12,632	385	360	1,136	966	1,006	963	920	877	834
MEKORYUK	79	254,951	239,438	49,376	51,699	340,511	42.6	26.4	16.2	89,861	13,030	289	253	800	660	709	679	646	618	588
HOOPER BAY	205	787,744	708,441	81,184	126,200	895,825	42.7	26.5	16.2	236,946	16,183	312	288	914	777	810	776	741	707	672
PITKAS POINT	34	136,155	120,122	199	45,005	165,926	42.2	26.8	15.6	44,103	53	334	294	939	798	833	798	762	727	692
ST. MARY'S	148	721,749	642,814	111,189	246,911	1,000,714	42.8	26.6	16.2	265,990	29,554	406	362	1,154	981	1,024	980	937	894	850
TUNUNAK	80	270,437	261,254	55,126	98,781	415,161	42.9	26.6	16.2	110,599	14,688	282	272	870	739	772	736	707	674	641
HUGHES	32	62,401	56,637	26,632	37,482	122,951	51.2	26.7	24.8	32,760	7,097	183	153	490	417	435	416	398	380	361
WHITE MOUNTAIN	61	222,287	165,044	37,604	119,266	321,914	48.2	26.7	21.5	85,919	10,037	304	225	722	614	641	614	587	560	533
NIKOLAI	37	105,748	101,825	33,361	90,790	225,976	50.2	26.7	23.5	60,403	8,917	238	229	736	625	653	626	598	570	543
SAVOONGA	147	506,866	482,331	59,695	156,553	700,579	43.0	26.7	16.2	187,335	15,962	284	273	877	746	779	746	713	681	648
ANIAK	173	901,694	800,108	180,334	52,058	1,032,498	48.9	27.0	21.9	278,774	48,690	434	385	1,249	1,061	1,110	1,064	1,017	971	925
KALTAG	69	313,381	286,316	45,073	115,696	447,085	43.6	27.3	16.4	121,920	12,291	378	346	1,132	962	1,007	966	924	883	841
PILLOT STATION	109	534,546	455,644	38,730	113,785	606,159	43.7	27.5	16.3	166,572	10,093	409	348	1,149	978	1,023	982	940	898	856
ALLAKAKET*	72	181,874	187,155	31,653	126,940	345,748	39.1	27.5	11.6	95,081	8,705	222	217	715	608	637	611	585	559	533
SHAGELUK	41	123,027	121,984	27,591	54,487	204,082	43.8	27.6	16.3	56,219	7,601	250	248	820	697	730	701	671	641	611
KIVALINA	83	320,324	306,194	37,377	84,174	427,745	43.9	27.6	16.3	118,015	10,312	424	405	1,341	1,140	1,195	1,147	1,098	1,049	1,001
NOORVIK	144	744,755	641,082	81,951	251,571	954,604	43.9	27.6	16.3	263,853	17,123	431	371	1,231	1,046	1,097	1,052	1,006	963	919
EMMONAK	180	876,937	775,632	89,881	468,344	1,333,857	44.1	27.8	16.3	370,545	24,969	393	348	1,158	985	1,033	992	950	908	867
ANVIK	45	144,845	136,732	33,460	65,972	236,164	44.2	27.9	16.3	65,937	9,342	260	253	848	721	757	727	696	666	636
NEWTOK	51	187,883	186,758	32,093	17,471	230,322	54.2	28.1	26.2	66,288	9,002	307	305	1,027	873	917	881	844	807	771
EAGLE	139	327,941	308,350	69,721	12,282	390,353	47.5	28.4	19.1	110,782	19,787	197	185	630	535	563	541	510	490	474
KWIGILLINGOK	78	325,822	316,049	43,925	18,716	378,690	50.2	28.4	21.8	107,586	12,479	348	338	1,151	978	1,030	989	949	908	868
OLD HARBOR	101	380,885	370,757	39,596	124,564	534,917	44.8	28.5	16.3	152,505	11,289	314	306	1,047	890	936	900	863	826	790
DIOMEDE	40	163,897	144,490	39,772	58,847	243,109	43.2	28.6	14.6	69,553	11,379	341	301	1,033	878	925	889	853	817	781
HUSLIA	93	325,849	286,292	33,251	83,695	383,238	45.0	28.7	16.3	109,836	9,530	292	257	882	750	780	759	728	698	667
KASIGLUK	99	497,189	431,393	37,360	78,392	547,145	41.4	28.9	12.5	158,234	10,805	419	363	1,260	1,071	1,129	1,086	1,042	999	955
NUNAPITCHUK	109	376,842	375,960	36,653	53,522	466,135	45.3	28.9	16.3	134,806	10,600	286	287	998	848	894	860	825	791	756
KIANA	98	542,809	486,830	77,318	145,948	720,094	45.3	28.9	16.3	208,395	22,375	462	422	1,467	1,247	1,315	1,264	1,214	1,163	1,112
NIGHTMUTE	45	176,861	125,830	31,334	5,857	163,021	45.8	29.3	16.6	47,716	9,171	327	233	818	696	735	707	670	651	623

\* For communities with one asterisk, utility rate and PCE rate are from FY96.

\*\* For communities with two asterisks, usage data is from FY97.

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)
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 (\$)	Total kWh Per Mo. Per Resid Customer	PCE kWh Per Mo. Per Resid Customer	PCE \$ Per Year Per Resid Cust. (100% Current)	PCE \$ Per Year Per Resid Cust. (85% Current)	PCE \$ Per Year Per Resid Cust. (3.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (4.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (5.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (6.0 ct fl inc)	PCE \$ Per Year Per Resid Cust. (7.0 ct fl inc)	
			Residential	Commer- cial	Comnly Facils															Total
SELAWIK	167	735,505	664,160	83,058	163,475	910,691	45.7	29.3	16.4	266,832	24,335	387	331	1,165	990	1,046	1,006	966	927	887
MT. VILLAGE	181	992,417	763,004	63,892	328,257	1,155,153	45.7	29.3	16.4	338,896	18,740	457	351	1,236	1,051	1,110	1,068	1,026	983	941
KOKHANOK BAY	51	158,252	151,027	26,159	51,338	228,524	55.3	29.4	25.9	67,186	7,691	255	247	871	740	782	752	723	693	663
CENTRAL	85	162,501	159,134	108,149	4,403	271,688	50.9	29.5	21.4	80,012	31,850	159	156	551	489	465	476	458	439	420
AKIACHAK	144	373,168	297,044	42,802	0	339,846	48.9	29.7	20.2	100,900	12,708	216	172	612	521	551	530	509	489	468
BEAVER	63	85,339	81,742	30,561	17,825	130,128	40.2	30.1	10.1	38,189	9,199	113	108	391	332	352	339	326	313	300
TELLER	74	268,164	193,646	90,071	59,375	343,092	53.8	30.2	23.6	103,614	27,201	302	218	790	672	712	686	659	633	607
EGEGIK	66	201,953	190,881	71,836	76,639	333,356	55.0	30.4	24.8	101,407	21,853	255	241	880	748	793	764	735	706	677
KARLUK*	13	49,491	45,654	12,588	9,718	67,958	53.3	31.3	22.0	21,271	3,939	317	293	1,099	934	994	959	924	888	853
NEW STUYAHOK	95	549,520	469,490	37,888	104,201	611,585	48.5	32.0	16.5	195,891	12,136	482	412	1,583	1,346	1,435	1,385	1,336	1,286	1,237
CHIGNIK LAKE**	37	191,244	177,600	18,000	33,607	227,407	43.2	32.4	10.8	73,657	5,182	431	400	1,558	1,323	1,412	1,384	1,316	1,268	1,220
NAPAKIAK	95	340,706	322,030	39,368	3,208	364,604	47.8	32.9	14.9	120,101	12,988	299	282	1,117	949	1,016	981	947	913	879
AMBLER	82	404,934	359,297	63,138	148,899	569,332	49.7	33.2	18.8	188,790	20,036	412	365	1,453	1,235	1,322	1,278	1,234	1,190	1,148
SHUNGNAC	58	374,284	295,172	46,266	135,483	476,920	50.4	33.8	18.8	161,247	15,642	538	424	1,721	1,483	1,588	1,517	1,468	1,415	1,364
IGIUGIG	17	49,843	44,899	19,723	23,610	88,232	58.5	33.8	24.7	29,849	6,872	244	220	893	759	814	788	761	735	709
GUSTAVUS	286	819,418	703,657	245,810	24,618	1,064,083	51.0	34.1	18.9	362,427	83,723	239	231	945	803	862	834	808	779	751
BETTLES*	21	81,940	71,539	68,907	12,932	153,378	51.8	34.3	17.5	52,609	23,635	325	284	1,188	993	1,066	1,032	998	964	930
KOBUK	34	98,827	93,188	43,364	65,619	202,171	53.2	34.8	18.6	70,012	15,017	237	228	949	807	867	840	812	785	757
HEALY LAKE*	13	43,929	40,029	24,910	11,281	78,220	48.2	35.1	13.1	26,753	8,743	282	257	1,081	919	988	958	927	898	865
NOATAK	95	508,470	441,155	43,959	231,272	716,388	55.2	38.4	18.8	275,092	16,880	446	387	1,783	1,518	1,644	1,597	1,551	1,505	1,458
CHUATHBALUK	33	86,687	82,231	24,625	10,483	117,339	59.8	40.5	19.3	47,487	9,986	219	208	1,008	857	934	909	884	859	834
CROOKED CREEK	31	114,856	110,253	30,958	10,899	152,110	59.8	40.5	19.3	61,559	12,529	309	296	1,439	1,223	1,333	1,297	1,262	1,226	1,190
MANLEY HOT SPR.	63	123,579	119,845	71,639	3,774	195,358	60.1	40.5	19.6	79,061	28,992	163	159	771	655	713	694	675	656	637
RED DEVIL	13	42,165	37,414	22,315	0	59,729	59.8	40.5	19.3	24,172	9,031	270	240	1,185	990	1,078	1,050	1,021	992	963
SLEETMUTE	34	83,389	76,989	35,871	16,943	129,803	59.8	40.5	19.3	52,531	14,517	204	189	916	779	848	826	803	781	758
STONY RIVER	16	40,778	33,295	24,588	22,890	80,773	59.8	40.5	19.3	32,689	9,951	212	173	842	716	780	759	738	717	696
CHALKYITSIK (10 mos.)**	32	41,948	30,854	6,361	355	37,370	60.2	40.9	19.4	18,319	3,118	131	96	470	399	435	424	412	401	389
TOTALS	24,416	127,461,294	100,198,373	18,408,730	29,964,679	148,569,782				21,497,286	2,671,258	435	342	595	505	473	434	398	361	328

\* For communities with one asterisk, utility rate and PCE rate are from FY96.

\*\* For communities with two asterisks, usage data is from FY97



ALASKA INDUSTRIAL DEVELOPMENT  
AND EXPORT AUTHORITY



480 WEST TUDOR

ANCHORAGE, ALASKA 99503

907 / 269-3000

FAX 907 / 269-3044

### Facsimile Transmittal

TO: Senator John Torgersen

COMPANY: \_\_\_\_\_

Fax #: ( ) \_\_\_\_\_

FROM: Randy Simmons/Brenda

DATE: 5/10/99

TIME: \_\_\_\_\_

Number of pages including cover page: 5

Transmittal Contents:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Comments:

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\_\_\_\_\_  
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ALASKA INDUSTRIAL DEVELOPMENT  
AND EXPORT AUTHORITY



480 WEST TUDOR

ANCHORAGE, ALASKA 99503

907 / 269-3000

FAX 907 / 269-3044

May 10, 1999

The Honorable John Torgerson  
Alaska State Senate  
State Capitol  
Juneau, Alaska 99801-1182

Dear Senator Torgerson:

Thank you for the opportunity to comment on the amendment offered by Senator Adams to CSSB 157(FIN); Draft version I. As you are probably aware, a large portion of the Alaska Industrial Development and Export Authority's ("AIDEA" or the "Authority") annual income results from loans and projects owned by the Authority in rural Alaska. In particular, AIDEA's DeLong Mountain Transportation System (DMTS), serving the Red Dog Mine in Northwest Alaska, has been an economic success for the Authority and has significantly advanced the Authority's mission of job creation and economic diversification. AIDEA believes that it is appropriate that a portion of its annual income be used to benefit the rural communities that helped to create that income.

To ensure that the Authority is able to continue to fulfill its mission, however, we believe that any allocation of Authority income to rural Alaska (or for any other purpose) must be accomplished within the confines of the Authority's statutory dividend program (AS 44.88.088). For this reason, the Authority does not support Senator Adams language as currently drafted. Instead, attached to this memo is proposed language that accomplishes Senator Adams' goal while preserving the statutory dividend program.

As you are aware, in 1996, the legislature created an AIDEA statutory dividend program. The program has allowed AIDEA to contribute a reasonable return to the State (\$65 million since 1996), while providing the required predictability and stability to the capital markets. This predictability and stability is critical to ensure AIDEA's continued access to reasonably priced capital – an essential ingredient for fulfillment of AIDEA's primary mission of economic development and job creation. This was the intent of the dividend legislation and it is working. Shortly after the dividend program was signed into law, AIDEA received its first ever AAA insured rating on bonds used to refinance and expand AIDEA's DMTS. This rating helped to reduce long term financing costs for the expansion and helps to ensure the long term viability of the Red Dog Mine.

Any amount diverted from the Authority outside of the parameters of the statutory dividend program will eliminate the confidence of the capital markets in the long-term stability and strength of the Authority. Over time, this will impact AIDEA's access to reasonably priced

The Honorable John Torgerson  
May 10, 1999  
Page 2

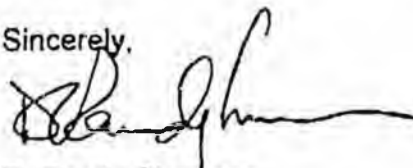
capital, increase the cost of funds to Alaska businesses and ultimately decrease AIDEA ability to fund some loans or projects. Increased capital costs could eliminate or reduce the financial viability of many important development projects. For these reasons, AIDEA believes it would be unwise to compromise the statutory dividend plan.

As drafted, Senator Adams proposed amendment is problematic. The amendment refers to sec. 3(2), ch. 68, SLA 1985. This 1985 provision provided that DMTS revenues in excess of the amounts necessary to pay or secure bonds for the original financing for the DeLong Mountain Transportation System would be returned to the state general fund. Because all revenues from the project were pledged to secure the bonds issued for construction, no revenues were available to the general fund under this provision. In recognition of the fact that revenues would not be available under the 1985 provision for many years, in 1994 the legislature enacted sec. 39 (b) and (c), ch. 3, SLA 1994. Under these provisions, AIDEA purchased all of the States residual interest in the DMTS revenues for \$60 million. This amount was deposited into the State general fund in fiscal year 1995. Accordingly, since enactment of the 1994 amendment, the funds referred in Senator Adams' amendment are included in the general assets of the Authority.

Because of the 1994 amendment to ch. 68 SLA 1985, under Senator Adams' proposed amendment to CS SB 157, no additional funds would be deposited into the PCE fund. Moreover, AIDEA does not support utilizing the revenues from the DMTS to help fund PCE unless such allocation was consistent with AIDEA's statutory dividend program. In order to further that goal, attached is draft language that would devote a portion of the dividend to PCE without compromising the statutory dividend program and AIDEA's ability to continue to fulfill its statutory mission.

I believe it is possible that, if the attached amendment were adopted, increased revenue from the AIDEA dividend together with the other revenue in the PCE fund would be sufficient to cover the long-term funding needs for PCE, including possibly FY2000. If you would like, I will be available for questions at your Senate Finance Committee meeting this afternoon at 5:00 PM.

Sincerely,



D. Randy Simons  
Executive Director

DRS by  
H.VALLBUEFCRS\Senate Finance Memo re PCE.doc  
Attachment

cc: Pat Pourchot, Office of the Governor  
Senator Al Adams

**\*Sec. \_\_.** AS 42.45.100(b) is amended by adding a new subsection to read:

- (d) In recognition of the significant contribution of rural Alaska projects to the income of the Alaska Industrial Development and Export Authority (the Authority), subject to appropriation, not less than \$8,000,000 of the amount made available by the Authority under AS 44.88.088 shall be transferred to the fund when available.

**\*Sec. \_\_.** AS 42.45.100(b) is amended by adding a new subsection to read:

- (d) In recognition of the significant contribution of rural Alaska projects to the income of the Alaska Industrial Development and Export Authority (the Authority), subject to appropriation, at least 40% of the amount made available by the Authority under AS 44.88.088 shall be transferred to the fund when available.

SB 157: PCE's  
Senate Finance Committee Options

	FY 2000 Estimated Values	Draft CS SB 157 7 ct floor	350 kWh 3.5 ct floor inc	500 kWh 5.5 ct floor inc	400 kWh 4.0 ct floor inc		
<b>FY 2000 Current Statute Base Amount</b>	<b>\$23.0</b>	<b>\$23.0</b>	<b>\$23.0</b>	<b>\$23.0</b>	<b>\$23.0</b>	<b>\$23.0</b>	<b>\$23.0</b>
Governor's Commission recommendations							
***deduct for commercial users	-\$2.7	-\$2.7	-\$2.7	-\$2.7	-\$2.7		
***deduct for average 350 kWh monthly use	-\$3.7		-\$3.7				
Deduct for 400 kWh monthly	-\$3.0				-\$3.0		
Deduct for 500 kWh monthly	-\$1.5			-\$1.5			
Deduct for 7 cent floor increase	-\$9.0	-\$9.0					
Deduct for 6.5 cent floor increase	-\$8.5						
Deduct for 6 cent floor increase	-\$7.8						
Deduct for 5.5 cent floor increase	-\$7.0			-\$7.0			
Deduct for 5 cent floor increase	-\$6.5						
Deduct for 4.5 cent floor increase	-\$5.9						
Deduct for 4 cent floor increase	-\$5.2				-\$5.2		
Deduct for 3.5 cent floor increase	-\$4.5		-\$4.5				
Deduct for 3 cent floor increase	-\$3.9						
Prorata Reductions							
<b>TOTAL:</b>		<b>\$11.3</b>	<b>\$12.1</b>	<b>\$11.8</b>	<b>\$12.1</b>		

# ASSOCIATION OF ALASKA HOUSING AUTHORITIES

4300 Boniface Parkway • Anchorage, AK 99504

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

e-mail: zaha@alaska.net Home Page: <http://www.alaska.net/~aaha>

May 10, 1999

*Alaska Housing  
Finance Corporation*

Senator John Torgerson  
Alaska Senate Finance Committee

*Alutian  
Housing Authority*

*Association of Village  
Council Presidents Regional  
Housing Authority*

Re: SB 157 & PCE Investment Update

*Baranof Island  
Housing Authority*

Dear Senator Torgerson,

*Bering Straits Regional  
Housing Authority*

The Association of Alaska Housing Authorities' Executive Committee met last Friday to discuss the concept and discussion draft of our proposal to support the PCE program through investments of federal housing funds. The committee decided to continue the dialogue and discussion of the proposal and has called a special meeting of the board of directors of AAHA for noon on Tuesday, May 11 for discussion and action on the proposal.

*Bristol Bay  
Housing Authority*

*Cook Inlet  
Housing Authority*

Implementation of such a plan still requires other participants including the Boards of Commissioners of the Regional Housing Authorities, Native Village governments, and HUD. Our estimate of the possible benefit for FY 2000 has a range of \$0 - \$1.5 million depending upon the success of obtaining support and approval and the regulatory requirements such a proposal is sure to require.

*Copper River Basin  
Regional Housing Authority*

*Interior Regional  
Housing Authority*

Our support for the PCE program remains unchanged and we will continue to work with your staff, the Senate Finance Committee, the Legislature and the Administration to support our families in rural Alaska. Thanks for your efforts on their behalf.

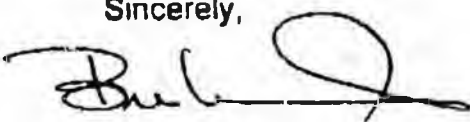
*Kodiak Island  
Housing Authority*

*Metlakatla  
Housing Authority*

Sincerely,

*North Pacific Rim  
Housing Authority*

*Northwest Inupiat  
Housing Authority*



Bruce Kovarik  
Executive Director

*Tahtgmallu  
Nunavutlula (TNNA)*

*Tungst-Haida Regional  
Housing Authority*

Pc: AAHA Member/ Executive Directors  
PCE File  
Chron



# Fax Cover

To: Eric/Larry/Marie	From: Charlie Walls, President & CEO
	Alaska Village Electric Cooperative, Inc.
Company: ARFCA - Juneau	Fax #: (907) 562-4086
Date: May 10, 1999	Voice #: (907) 561-1818 or 565-5336 direct

Number of pages including this page.. 1

Reference: SB157

## Memo:

As I understand it, the target FY2000 budget for PCE is about \$15 million. There are a variety of ways to get there. One would be:

Estimated FY2000 full funding requirement.....	\$23 million
Less Commercial and School consumers.....	( 2.6 million)
Raise formula floor by 3 cents.....	( 3.9 million)
Lower formula 700 kWh/mo to 500 kWh/mo.....	( 1.2 million)
Revised FY2000 full funding requirement	\$15.3 million

If further reduction of program cost is required, then reduce prorata. For example:

Prorata reduction to 82% of revised formula $0.18 \times \$15.2 \text{ million} =$	( 2.8 million)
Total requirement for FY200 at 82% level	\$12.5 million

The benefit of this method of cost reduction is it is balanced and equitable to all existing program participants. Translated, that means more politically acceptable to rural Alaska.



Official Business

# Alaska State Senate

## Senate Finance Committee

Mail Stop 3100  
State Capitol  
Juneau, Alaska 99801-1182

### Draft CS SB 157(FIN) – Power Cost Equalization (Version 11 – 5/5/99)

### Sectional Analysis

Sec. 1: Amends current statute by deleting commercial customers from PCE eligibility.

Sec. 2: Amends current statute by establishing a new date July 1, 1999, for commencement of a new base rate of 17 cents (was 9.5 cents).

Sec. 3: Amends current statute by deleting commercial customers from PCE eligibility.

Sec. 4: Amends current statute by adding new Notice to Customer requirements, for providing information on the efficiency of the utility to each customer.

#### Differences between SB 157 and Draft CS are:

	<u>SB 157</u>	<u>CS</u>
• Reduces from 700 to 350 kWh	yes	no
• Added Kenai & Palmer to statewide average	yes	no
• Deletes commercial users	yes	yes
• PCE utility rates not be lower than non-PCE rates	yes	no
• Raised floor from 9.5 to 17.0 cents	no	yes
• Fuel efficiency notice requirements	no	yes

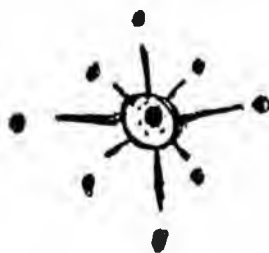


Official Business

# Alaska State Senate

## Senate Finance Committee

Mail Stop 3100  
State Capitol  
Juneau, Alaska 99801-1182



### Sponsor Statement – SB 157 – Power Cost Equalization

The importance of the power cost equalization program to areas of Alaska that are reliant upon diesel generated power is recognized and this bill is intended to extend the life of the program by restructuring some of the program's components.

This bill:

- Reduces the current 700 kWh to 350 kWh per month.
- Expands the method of establishing the base rate by including Kenai and Palmer in the weighted average retail residential rate which currently only includes Anchorage, Fairbanks, and Juneau.
- Restructures the program so that the equalization rate applies only to residential customers, as opposed to the current residential and commercial structure.
- Adds new language to the program to ensure that the rate charged by a PCE utility is not lower than a rate charged by a non-PCE utility, to ensure that a customer who does not receive a PCE pays a higher rate than a customer who does receive a PCE.



April 22, 1999  
 Power Cost Equalization

	<u>Utility's Ave. Residential Rate (based On 500 kWh) (cents / kWh)</u>	<u>Power Cost Equalization Rate (cents / kWh)</u>	<u>Effective Residential Rate (cents / kWh)</u>	<u>increase In Effective Residential Rate (cents / kWh)</u>
<b>FY 96 STAT REPORT</b>				
Bethel	23.3	9.4	13.9	
Holy Cross (AVEC)	43.6	26.5	17.1	
<b>PRORATED BY 19%</b>				
Bethel	23.3	7.6	15.7	1.8
Holy Cross (AVEC)	43.6	21.5	22.1	5.0
<b>FLOOR INCREASED BY 3.0 CENTS</b>				
Bethel	23.3	6.4	16.9	3.0
Holy Cross (AVEC)	43.6	23.5	20.1	3.0

These two strategies would yield about the same total reduction in program cost:

19% of \$20.4 million full funding requirement = \$3.9 million cut

3.0 cents X 130 million kWh = \$3.9 million cut

- C. The following language would require that PCE utilities include a statement on all of their customer bills comparing the utility's actual fuel efficiency with the standards prescribed in PCE regulations. This would be included in AS 42.45.120 (Notice to Customers):

**NOTICE TO CUSTOMER**

"For the most recent monthly reporting period under the State of Alaska's power cost equalization program, the utility's actual fuel efficiency for your community was \_\_\_\_\_ kWh per gallon. The applicable fuel efficiency standard prescribed in PCE regulations is \_\_\_\_\_ kWh per gallon."

RAISING PCE FLOOR -- ESTIMATED IMPACTS

	Resid PCE Rate Dec-98 (cents)	PCE Elig kWh (98) Resid	PCE Elig kWh (96) CF	75% PCE Elig kWh (98) Resid	75% PCE Elig kWh (98) CF	75% TOTAL PCE ELIG	Dec-98 Rate Times 75% Total (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 1 CENT (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 2 CENTS (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 3 CENTS (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 4 CENTS (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 5 CENTS (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 7 CENTS (\$ 000s)	AMOUNT OF CUT -- INC FLOOR BY 10 CENTS (\$ 000s)
Pelican	0.0185	346,466	95,094	259,850	71,321	331,170	\$6.1	\$3.3	\$6.1	\$6.1	\$6.1	\$6.1	\$6.1	\$6.1
Skagway	0.0274	2,021,881	658,460	1,516,411	493,845	2,010,256	\$55.1	\$20.1	\$40.2	\$55.1	\$55.1	\$55.1	\$55.1	\$55.1
North Slope (3 villages)	0.0385	1,878,219	205,462	1,408,664	154,097	1,562,761	\$60.2	\$15.6	\$31.3	\$46.9	\$60.2	\$60.2	\$60.2	\$60.2
Thorne Bay	0.0422	670,887	325,065	503,165	243,799	746,964	\$31.5	\$7.5	\$14.9	\$22.4	\$29.9	\$31.5	\$31.5	\$31.5
Unalaska	0.0470	2,201,160	1,994,613	1,650,870	1,495,960	3,146,830	\$147.9	\$31.5	\$62.9	\$94.4	\$125.9	\$147.9	\$147.9	\$147.9
Nome	0.0476	6,335,687	2,042,310	4,751,765	1,531,733	6,283,498	\$299.1	\$62.8	\$125.7	\$188.5	\$251.3	\$299.1	\$299.1	\$299.1
North Slope (4 villages)	0.0530	1,313,636	137,837	977,727	103,378	1,081,105	\$57.3	\$10.8	\$21.6	\$32.4	\$43.2	\$54.1	\$57.3	\$57.3
Port Heiden	0.0544	109,196	3,322	81,897	2,492	84,389	\$4.6	\$0.8	\$1.7	\$2.5	\$3.4	\$4.2	\$4.6	\$4.6
Haines	0.0562	3,889,801	741,307	2,917,351	555,980	3,473,331	\$195.2	\$34.7	\$69.5	\$104.2	\$138.9	\$173.7	\$195.2	\$195.2
Naknek	0.0704	2,995,839	902,420	2,246,879	676,815	2,923,694	\$205.8	\$29.2	\$58.5	\$87.7	\$116.9	\$146.2	\$204.7	\$205.8
Craig	0.0715	3,456,048	1,249,625	2,592,036	937,219	3,529,255	\$252.3	\$35.3	\$70.6	\$105.9	\$141.2	\$176.5	\$247.0	\$252.3
Hollis	0.0715	261,983	0	196,487	0	196,487	\$14.0	\$2.0	\$3.9	\$5.9	\$7.9	\$9.8	\$13.8	\$14.0
Hydaburg	0.0715	725,606	180,059	544,205	135,044	679,249	\$48.6	\$6.8	\$13.6	\$20.4	\$27.2	\$34.0	\$47.5	\$48.6
Perryville	0.0723	106,711	31,345	80,033	23,509	103,542	\$7.5	\$1.0	\$2.1	\$3.1	\$4.1	\$5.2	\$7.2	\$7.5
Dot Lake	0.0724	104,416	33,520	78,312	25,140	103,452	\$7.5	\$1.0	\$2.1	\$3.1	\$4.1	\$5.2	\$7.2	\$7.5
Tok	0.0724	2,623,412	83,589	1,967,559	62,692	2,030,251	\$147.0	\$20.3	\$40.6	\$60.9	\$81.2	\$101.5	\$142.1	\$147.0
Yakutat	0.0760	1,363,643	439,309	1,022,732	329,482	1,352,214	\$102.8	\$13.5	\$27.0	\$40.6	\$54.1	\$67.6	\$94.7	\$102.8
Dillingham	0.0830	4,674,129	813,379	3,505,597	610,034	4,115,631	\$341.6	\$41.2	\$82.3	\$123.5	\$164.6	\$205.8	\$288.1	\$341.6
Cordova	0.0858	4,774,565	1,901,017	3,580,924	1,425,763	5,006,687	\$429.6	\$50.1	\$100.1	\$150.2	\$200.3	\$250.3	\$350.5	\$429.6
Elfin Cove	0.0880	104,774	18,980	78,561	14,235	92,816	\$8.2	\$0.9	\$1.9	\$2.8	\$3.7	\$4.6	\$6.5	\$8.2
Kotzebue	0.0916	4,584,877	1,765,088	3,438,658	1,323,816	4,762,474	\$436.2	\$47.6	\$95.2	\$142.9	\$190.5	\$238.1	\$333.4	\$436.2
Bethel	0.0924	8,152,156	1,524,587	6,114,117	1,143,440	7,257,557	\$670.6	\$72.6	\$145.2	\$217.7	\$290.3	\$362.9	\$508.0	\$670.6
Chefornak	0.0930	320,996	18,544	240,747	13,908	254,655	\$23.7	\$2.5	\$5.1	\$7.6	\$10.2	\$12.7	\$17.8	\$23.7
King Cove	0.1018	576,053	383,527	432,040	287,645	719,685	\$73.3	\$7.2	\$14.4	\$21.6	\$28.8	\$36.0	\$50.4	\$72.0
Galena	0.1086	757,145	261,766	567,859	196,325	764,183	\$83.0	\$7.6	\$15.3	\$22.9	\$30.6	\$38.2	\$53.5	\$76.4
Chignik Lagoon	0.1092	197,539	25,037	148,154	18,778	166,932	\$18.2	\$1.7	\$3.3	\$5.0	\$6.7	\$8.3	\$11.7	\$16.7
Buckland	0.1099	326,955	37,251	245,216	27,938	273,155	\$30.0	\$2.7	\$5.5	\$8.2	\$10.9	\$13.7	\$19.1	\$27.3
Saint Paul	0.1113	898,365	608,406	673,774	456,305	1,130,078	\$125.8	\$11.3	\$22.6	\$33.9	\$45.2	\$56.5	\$79.1	\$113.0
ALL PCE UTILITIES		100,098,736	29,952,037	75,074,052	22,464,033	97,538,080		\$975.4	\$1,950.26	\$2,917.11	\$3,866.73	\$4,772.72	\$6,374.23	\$8,193.35

April 22, 1999  
Power Cost Equalization

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"For the most recent monthly reporting period under the State of Alaska's power cost equalization program, the utility's actual fuel efficiency for your community was \_\_\_\_\_ kWh per gallon. The applicable fuel efficiency standard prescribed in PCE regulations is \_\_\_\_\_ kWh per gallon."



# NAKNEK ELECTRIC ASSOCIATION, INC.

POST OFFICE BOX 118 • NAKNEK, ALASKA 99633 • PHONE (907) 246-4261 • FAX (907) 246-6242

April 23, 1999

Honorable Senate Finance Committee Members

APR 23 1999

Re. SB157

As the manager for Naknek Electric Association, Inc., a small rural electric cooperative located in Naknek, I must respond to SB157 as introduced.

We agree with the elimination of commercial consumers and schools.

Reducing the cap of eligible kwhs from 700 to 350 is extreme and detrimental to our residential members. The average kwh usage in the residential class is 541 kwhs, which represents the bare minimum for essential lifestyles.

Increasing the floor by 6 to 7 kwhs will all but eliminate our participation in the PCE program and establish that the underlying purpose of PCE is not to become more but less efficient.

Naknek Electric Association has increased efficiency and reduced rates in the last ten years. Our average rate per residential kwh was 28.5 cents per kwh in 1990 and is now 20.3 cents per kwh in 1999.

Please consider the message you are sending during the process of looking for changes and reduction in the PCE program. If you are truly promoting efficiency then provide changes that reflect the message.

Sincerely,

Donna Vukich  
General Manager



# Yakutat Power

P.O. Box 129 - Yakutat, Alaska 99869  
(907) 784-3248 - FAX (907) 784-3922

## FAX Transmittal

**To:** LJO  
**From:** Yakutat Power  
**Subject:** Testimony  
**Cc:**

**Date:** 4/19/99  
**Page:** 1 of 3

**Message:** Please forward this to the  
 Sen. Finance Committee, Thanks

SB 157  
 #28



## Yakutat Power

P.O. Box 129 - Yakutat, Alaska 99869  
(907) 784-3248 - FAX (907) 784-3922

To: AK, State Legislators  
From: Scott E. Newlun, Yakutat Power Inc.  
Re: PCE Funding  
cc: Governors Office,  
File

### *This is a testimony about the importance of the PCE program to the State of Alaska*

In order to provide affordable power to the residents of rural Alaska, the State of Alaska developed the Power Cost Equalization program. This was done to help equalize the cost of electrical power, promote healthy economies, and raise the standard of living for rural residents of Alaska, where the cost of electricity can be three to five times as much as the rates in urban areas of the state. This concept has also been implemented in the urban areas of the State, in the form of inter-ties, hydro projects, and other state funded projects to help lower the cost of electricity to urban consumers.

In 1998 the people of Yakutat received an equalization rate of \$.0646 per kWh for the first 700 kWh's used. This amounts to \$45.22 per recipient per month. The remainder of that bill would amount to \$141.68, at the rate of \$.267 per kWh, that is what the residential consumers pay with the PCE adjustment. The average Yakutat residential customer had a bill of \$172.50, or 646.06 kWh for the month of Jan.. So I can assure you that at this rate conservation is very much a way of life in rural Alaska. It's not uncommon for someone to average an electricity bill of \$250 per month at the rates that have to be charged to generate power from diesel fuel. This is an endless battle in rural Alaskan communities.

Some of the most important uses of the Power Cost Equalization funds that we receive are to help keep the community facilities affordable. If these funds are cut drastically or removed some of the most dire services will be effected. The schools will have to squeeze more out of their already tight budgets. Water and sewer rates will have to be increased. Medical services, and facilities will be effected. Police, Fire, and EMS services will be effected. All of these will have a direct impact on our already weakened economy, and will cause a trickle down effect on the Urban economies.

The rural population of Alaska is faced with many challenges. One of the most important is the job of providing affordable power to the residents, where it is possible and feasible. This is a task that small utility companies take very seriously. It is just part of the job to strive and produce power as efficiently as possible. This is done on a daily basis such as trying to acquire fuel at the lowest possible price. We also try to implement any new technologies that will help cut down our operating costs. Such as waste oil injection, better filtering systems, stringent preventative maintenance schedules, upgrading distribution equipment, training employees, etc.. We are always trying new and innovative techniques to make Diesel Powered Generators produce more power with less fuel, but there is only so much that we can do with the physical properties of this type of generation.

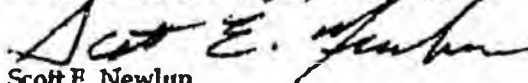
Some of the other factors that plague small rural utilities are the high costs that are inherent to all bush communities. Such as Shipping, Labor, Maintenance, Training, Travel, Insurance, Mandated regulations, and lack of Capital to replace deteriorating equipment. Most small utility companies carry such a large debt load that they can only hope that they do not have any major problems. This comes from having such a small consumer base that it is barely affordable to have a centralized source of electrical generation.

Yakutat Power is constantly searching for alternative sources of generation. The problem that always comes with any of these projects is the feasibility factor. Is it worth the initial investment to serve a small population of consumers? We will continue to search and explore for an answer to this problem. The solution is not yet at hand. With all of the new and innovative technologies that are being developed, we will find the source of generating affordable and reliable power for our community. Eventually a portion of the PCE recipients will become self sustaining entities. The amount of funding for this project will slowly decline.

We are a very proud and resourceful group of people, and do not look at the PCE program as a form of state subsidy, any more than urban residents look at the hydro projects, and inter-tie projects as forms of state subsidies. The rural areas of Alaska are the driving force for the State economy. Therefore it is very important to keep these rural economies and resources as healthy as possible. I feel that the PCE program is more of an ongoing investment in the future of Alaska than a State subsidy to the rural areas of the State.

We are all very aware of the difficult job that you as State Legislators are facing. It is a difficult task to balance a deficit budget of this magnitude. Surely there are other programs to cut from, other than one that is as important as P.C.E. There has been a huge investment to bring the standard of living up to it's current level in Rural Alaska. With all of the advances that are taking place in this world, it seems ironic that you are considering abandoning this worthwhile project. We urge you to fund this program to it's full level to keep the economies of this State as healthy as possible as we go into the next Millennium.

Thank You for Hearing my Viewpoint,



Scott E. Newlun  
Administrator, Yakutat Power Inc.  
Assemblyman, City and Borough of Yakutat



***POWER COST EQUALIZATION  
PROGRAM MANUAL***

Department of Community and Regional Affairs  
Division of Energy

Alaska Public Utilities Commission

July 1997

***Power Cost Equalization  
Program Manual***

**Contents**

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Program Participating Utilities..... 3-4

Program Discussion..... 6

Appendix 1  
Power Cost Equalization Program Statutes

Appendix 2  
Power Cost Equalization Program Regulations  
Division of Energy  
Alaska Public Utilities Commission

Throughout this publication the following abbreviations and terms are used:

DOE	Division of Energy, Department of Community and Regional Affairs
APUC	Alaska Public Utilities Commission
kwh	Kilowatt-hour
PCE	Power Cost Equalization
PCE LEVEL	Amount payable per eligible kwh, expressed in cents.

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## INTRODUCTION

The State of Alaska's Power Cost Equalization program has been helping rural electric utility customers by paying part of their electricity costs since 1985. Prior to that time, the Power Production Assistance Program (1980) and the Power Cost Assistance Program (1981) were in effect.

The goal of the PCE program is to provide economic assistance to customers in rural areas of Alaska where, in many instances, the kilowatt-hour charge for electricity can be three to five times higher than the charge in the more urban areas of the State. For example, in 1996, while the average energy rate paid by residential customers in Anchorage, Fairbanks and Juneau was 9.5 cents/kwh, comparable and typical rates in rural communities were:

Cold Bay	37 ¢/kwh	Fort Yukon	31 ¢/kwh
Elim	41 ¢/kwh	Unalaska	21¢/kwh

PCE is a core element to insure the financial viability of centralized power generation in rural communities and therefore increase the standards of living through the availability of communications, lighting, and the operation of a variety of infrastructures, including water and sewer systems, incinerators, etc.

State funds are appropriated by the Legislature for the PCE program each year and are paid to utilities on behalf of eligible customers. The cost of this statewide program in FY96 was \$19.2 million which provided assistance to 180 rural communities with a total population of about

76,000. The Alaska Public Utilities Commission and the Division of Energy administer PCE.

The Alaska Legislature has established functions for each agency by statute. AS 42.45.100-110 governs APUC and DOE program responsibilities. APUC determines if a utility is eligible to be in the program and calculates the amount of PCE per kwh payable to the utility. DOE determines the eligibility of the community facilities and of other customers and authorizes payment to the electric utility. The utility is required to reduce each customer's bill by the amount that the State pays for PCE.

This publication offers a general description of the PCE program. Further information on any aspect of the program is available from:

Department of Community & Regional Affairs,  
Division of Energy  
333 W 4th Avenue - Suite #220  
Anchorage, AK 99501-2341  
Telephone: (907) 269-4500  
Fax (907) 269-4645

Alaska Public Utilities Commission  
1016 W. 6th Avenue - Suite #400  
Anchorage, AK 99501  
Telephone: (907) 276-6222  
Fax: (907) 276-0160

## PCE Program Participating Utilities

<p>Akhiok, City of            Akiachak Ltd.            Akiak City Council            Akutan Electric Utility            Alaska Power &amp; Telephone              Alatna           Healy Lake              Allakaket       Hollis              Bettles L&amp;P Co. Hydaburg              Chistochina    Mentasta              Craig           Skagway              Dot Lake        Tetlin              Haines L&amp;P Co. Tok            Alaska Village Electric Coop.              Alakanuk       New Stuyahok              Ambler          Noatak              Andreafsky     Noorvik              Anvik           Nulato              Brevig Mission Nunapitchuk              Chevak          Old Harbor              Eek             Pilot Station              Elim            Pitkas Point              Emmonak        Quinhagak              Gambell         Russian Mission              Goodnews Bay   Savoonga              Grayling        Scammon Bay              Holy Cross      Selawik              Hooper Bay     Shageluk              Huslia          Shaktoolik              Kaltag          Shishmaref              Kasigluk        Shungnak              Kiana           St. Mary's              Kivalina        St. Michael              Koyuk           Stebbins              Lower Kalskag   Togiak              Marshall        Toksook Bay              Mekoryuk        Tununak              Minto           Upper Kalskag              Mountain Village Wales            Alutiiq Power Company              Karluk            Andreanof Electric              Atka            Aniak Light &amp; Power Company            Arctic Village Electric Co.            Atmautluak Tribal Utilities</p> <p>Beaver Joint Utilities            Bethel Utilities Corporation, Inc            Erickland, City of</p> <p>Chalkyitsik Village Energy System</p>	<p>Chenega Bay IRA Village Council            City of Chignik            Chignik Lagoon Power Utility            Chignik Lake Electric            Chitina Electric, Inc            Circle Electric, Inc.            Coffman Cove Utility Assn.              Coffman Cove              Whale Pass            Cordova Electric Coop., Inc.</p> <p>Diomedea Joint Utilities</p> <p>Eagle Power Company              Eagle              Eagle Village            Egegik Light &amp; Power Co.            Ekwok Electric            Elfin Cove Electric Utility</p> <p>False Pass Electric Assn.            Far North Utilities              Central              Circle Hot Springs</p> <p>G &amp; K, Inc.              Cold Bay            Galena, City of            Golovin Power Utilities            Gustavus Electric Company            Gwitchyaa Zhee Utilities              Ft. Yukon</p> <p>Hughes Power &amp; Light</p> <p>Igiugig Electric Company            I-N-N Electric Cooperative              Iliamna        Nondalton              Newhalen            Ipnatchiaq Electric Company              Deering</p> <p>King Cove, City of            Kipnuk Light Plant            Kobuk Valley Electric Coop.            Kokhanok Village Council            Koliganek Village Council            Kotlik Electric Service            Kotzebue Electric Assn., Inc.            Koyukuk, City of</p>
---	--

## PCE Program Participating Utilities

Kuiglluum Kallugvia  
Kwethluk  
Kwig Power Company  
Kwiglingok

Larsen Bay Utility Company  
Levelock Electric Cooperative

Manley Utility Company  
Manokotak Power Company  
McGrath Light & Power  
Middle Kuskokwim Electric Coop.  
Chauthbaluk Sleetmute  
Crooked Creek Stony River  
Red Dsvil

Naknek Electric Association, Inc.  
King Salmon South Naknek  
Naknek

Napakiak Ircinraq Power Co.  
Napaskiak Electric Utility  
Naterkaq Light Plant  
Chefornak

Nelson Lagoon Electric Coop., Inc.  
Nightmute Power Plant  
Nikolai Light & Power Utility  
Nome Joint Utility System  
Northway Power & Light Co.  
North Slope Borough Power & Light  
Anakutuvuk Pass Pt. Hope  
Atqasuk Pt. Lay  
Kaktovik Wainwright  
Nuiqsut  
Nushagak Electric Coop., Inc.  
Aleknagik Dillingham

Ouzinkie, City of

Pedro Bay Village Council  
Pelican Utility Company  
Perryville, City of  
Pilot Point Village Council

Platinum, City of  
Port Heiden, City of  
Puvurnaq Power Company  
Kongiganak

Ruby, City of

Sand Point Electric, Inc.  
Sheldon Point Electric, Inc.  
Stevens Village Energy System  
St. George Municipal Electric Utility  
St. Paul Municipal Electric Utility

Takotna Community Association  
Tanalian Electric Cooperative, Inc.  
Port Alsworth

Tanana Power Company  
Tatitlek Electric Utility  
Teller Power Company  
Tenakee Springs Electric Utility  
Thorne Bay Public Utility  
Tlingit-Haida Regional Electric  
Authority

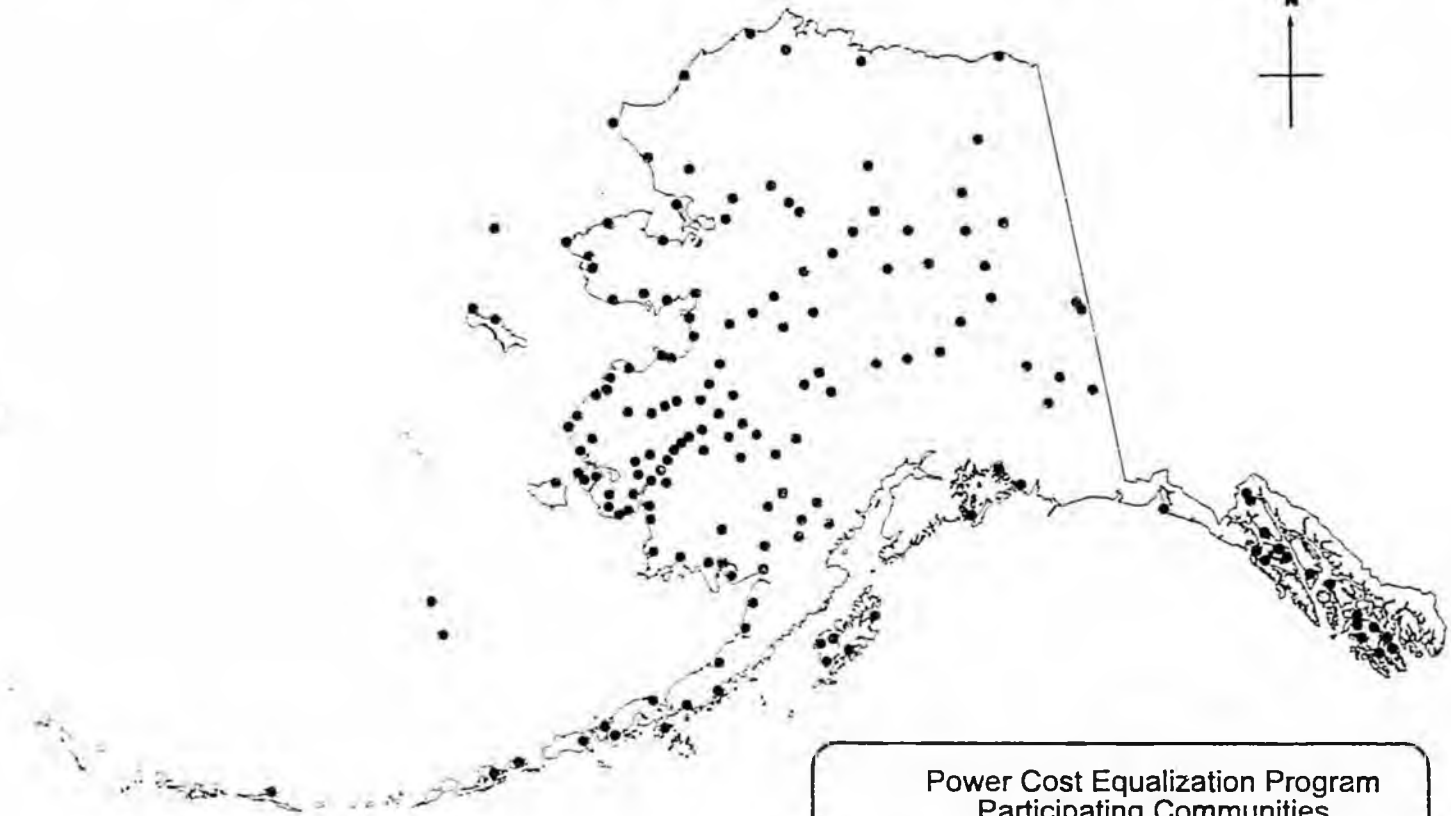
Angoon Kassin  
Hoonah Klawock  
Kake Klukwan  
Tuluksak Traditional Council Power  
Utility  
Tuntutuliak Community Service  
Assn.

Umnak Power Company  
Nikolski  
Unalakleet Valley Electric  
Cooperative  
Unalaska Electric Utility  
Ungusraq Power Company  
Hewtok

Venetie Village Electric

White Mountain, City of

Yakutat, City of



Power Cost Equalization Program  
Participating Communities

# CORRECTION

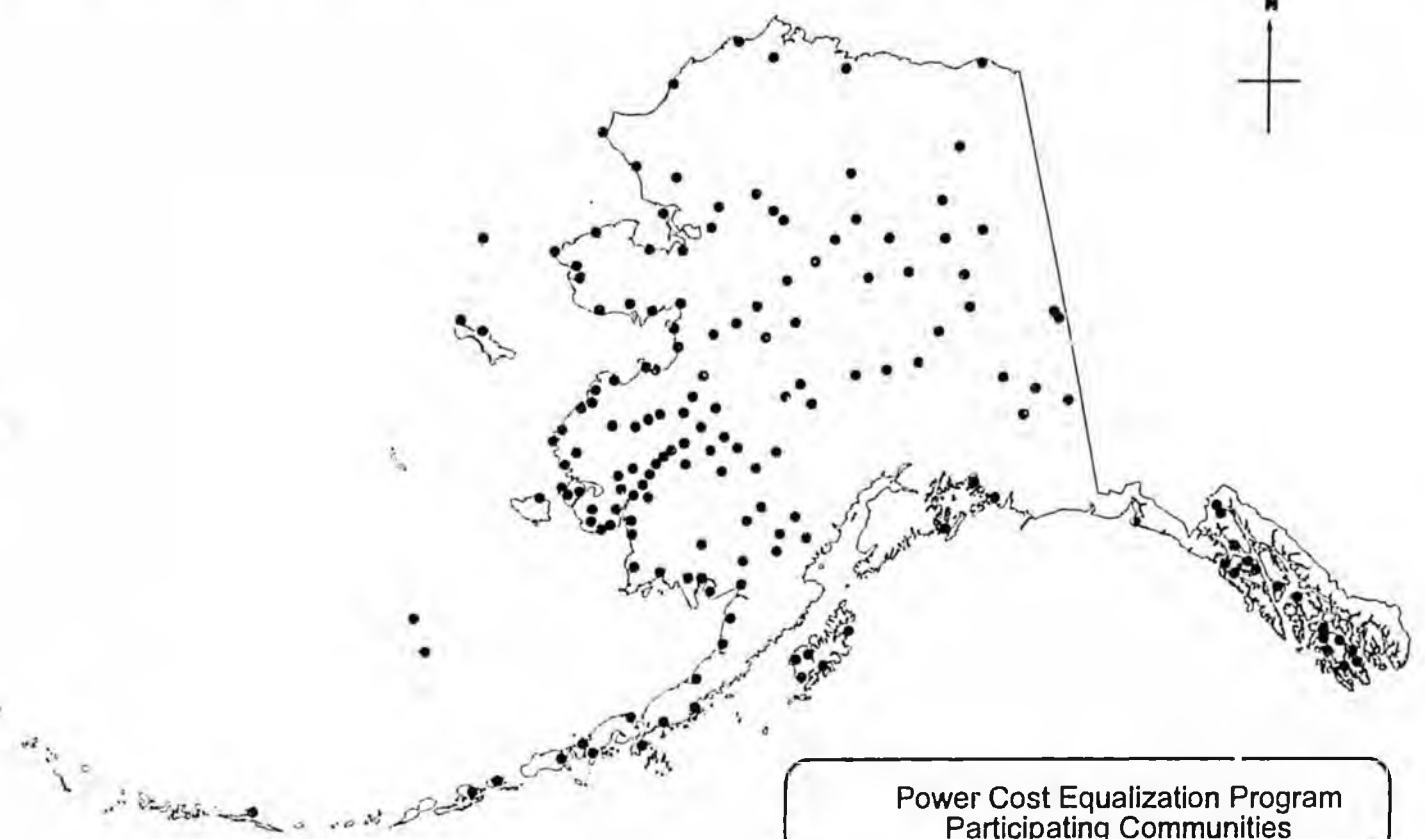
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Central Microfilm Services  
Department of Education & Early Development  
State of Alaska

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Power Cost Equalization Program  
Participating Communities

## PROGRAM DISCUSSION

### ARE ALL ELECTRIC UTILITIES IN THE STATE ELIGIBLE FOR PCE?

No. The PCE program is for electric utilities that have high costs, that had a minimal level of residential electric use in 1983, and that used diesel fuel for most of their power generation in 1984. The Railbelt electric utilities, the electric utility in Juneau and those utilities that receive electric power from the Four Dam Pool facilities (Ketchikan, Wrangell, Petersburg, Kodiak, Glennallen, Valdez) are not eligible for PCE assistance.

### HOW DO ELECTRIC UTILITIES PARTICIPATE IN THIS PROGRAM?

An electric utility sends a request to APUC to participate in the PCE program. If APUC determines that a utility is eligible, the utility provides information to APUC for determination of the PCE level. APUC's staff assists the utilities in locating and identifying the required information.

### WHAT INFORMATION MUST A UTILITY PROVIDE TO APUC TO DETERMINE THE PCE LEVEL?

The utility must provide to the APUC its costs for a specific time period, usually a year. The utility must also report how many kwhs have been generated and sold during the same time period, as well as how many gallons of fuel it took to produce the kwhs generated.

**WHAT HAPPENS IF A UTILITY DOES NOT SUBMIT ALL THE INFORMATION NEEDED BY APUC TO DETERMINE THE PCE LEVEL?**

If a utility does not submit all the information required to determine the PCE level, or if APUC believes there are reasons to question some of the financial information provided, APUC will determine an interim or temporary PCE level. If APUC approves a permanent PCE level that is lower than the temporary PCE level, the utility will have to refund the excess PCE payments it received to DOE. That may mean the customers will receive lower PCE payments until the refund has been completed.

A utility may also incur a refund situation if it does not notify the APUC of a decrease in the cost of fuel at the time the decrease occurs.

**IF A UTILITY RECEIVES OTHER KINDS OF ASSISTANCE, IS THE PCE CALCULATION AFFECTED?**

Yes. The program legislation requires that if a utility receives other assistance that reduces its rates on a kwh basis, the cost calculation to determine the PCE level will be reduced by that amount.

**ARE THERE OTHER REQUIREMENTS THAT A UTILITY MUST MEET IN ORDER TO BE IN THE PCE PROGRAM?**

An electric utility is required to install and maintain necessary metering equipment. The statute also requires a utility to use energy conservation measures, when and where possible, and to determine if it can generate electricity with fuel other than diesel.

Additionally, the utility must file monthly reports with DOE in order to receive payment; it must maintain good administrative practices and keep records of its costs and revenues. Upon request, the records of the utility are to be made available to DOE and to APUC.

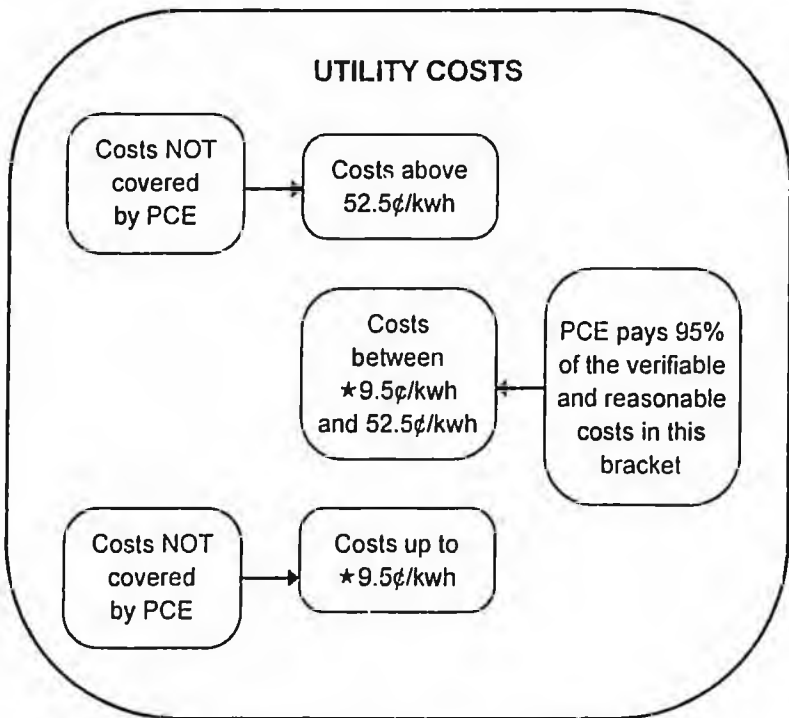
**IF A UTILITY PARTICIPATES IN THE PCE PROGRAM, DOES THIS MEAN APUC WILL ALSO REGULATE THE RATES THE UTILITY CHARGES ITS CUSTOMERS?**

Not necessarily. Electric utilities are not required to have their rates approved by APUC in order to participate in the program. However, if a utility has annual revenues of more than \$50,000, it may be subject to rate regulation and it will need a certificate from APUC in order to operate and charge for its services.

## HOW IS THE PCE LEVEL DETERMINED?

PCE is computed on a kwh basis for each rate schedule. Different classes of customers, such as residential, commercial, or community facilities, may have different PCE levels.

A formula is used to determine PCE levels: 95% of a utility's costs between \*9.5¢/kwh and 52.5¢/kwh are used to calculate the PCE level. If costs are below \*9.5¢/kwh they are not eligible for PCE. If the eligible costs are more than 52.5¢/kwh, the maximum PCE level is 40.85¢/kwh ( $52.5¢ - *9.5¢/kwh = 43¢/kwh \times 95\% = 40.85¢$ ).



\*Base may vary on annual basis, per AS 42.45.110(c)(2)

## WHAT DOES APUC CONSIDER TO BE REASONABLE COSTS WHEN IT DETERMINES THE PCE LEVEL?

The PCE level is determined by using only necessary and reasonable costs that can be verified by APUC. The program statutes require APUC to eliminate any duplicative or unnecessary costs from the PCE level calculation. The utility's profit is not included when determining the PCE level.

There are two categories of costs used in determining the PCE level:

- Fuel expenses: the costs of fuel, including transportation.
- Non-fuel expenses: costs such as salaries, insurance, taxes, power plant parts and supplies, interest and other reasonable costs.

The procedures followed by APUC to establish PCE levels for regulated or unregulated utilities are comparable. For a regulated utility, the costs allowed to determine the PCE level are the same, except for profit, as those used to determine the utility's rates.

For an unregulated utility, APUC does not establish the utility's rates. However, to determine the PCE level, APUC allows expenses comparable to those included in rates of regulated utilities.

### For Example:

A regulated utility may not include in its rates depreciation expenses on facilities unless those facilities have been purchased by the utility. Therefore, if an unregulated utility has been provided a generator with grant money, the depreciation expense for that generator is not allowed in the PCE level of that utility.

## ARE THERE ESTABLISHED STANDARDS FOR UTILITY EXPENSES?

Yes. APUC has established minimum generation efficiency standards. The standards require that a utility's fuel expense be calculated as if the generation system produced at least the minimum number of kwh for each gallon of fuel.

As indicated by the following charts, the standards are based on size, with larger utilities that sell more kwhs having higher standards than smaller utilities that sell less kwhs.

### For Example:

A utility that relies on all-diesel generation, sells fewer than 100,000 kwh annually, and sells 5.5 kwh for each gallon of fuel consumed. In calculating the PCE level for this utility, APUC would calculate fuel costs as if the utility sold 8 kwh for each gallon of fuel consumed. This means the PCE level would be lower than a level based on actual fuel costs.

The current standards established by regulation are:

#### MINIMUM EFFICIENCY STANDARDS FOR UTILITIES THAT RELY ON ALL-DIESEL GENERATION MEASURED IN KWH SOLD PER GALLON CONSUMED WITH CLASSIFICATION BY ANNUAL KWH SALES

Effective Date	Less than 100,000	100,000 to 499,999	500,000 to 999,999	1,000,000 to 9,999,999	More than 10,000,000
10/1/93	8 kwh/gal	9 kwh/gal	10 kwh/gal	11 kwh/gal	12 kwh/gal

#### MINIMUM EFFICIENCY STANDARDS FOR UTILITIES THAT DO NOT RELY ON ALL-DIESEL GENERATION MEASURED IN KWH SOLD PER GALLON WITH CLASSIFICATION BY ANNUAL KWH SALES

Effective Date	Less than 100,000	100,000 to 499,999	500,000 to 999,999	1,000,000 to 9,999,999	More than 10,000,000
10/1/93	8.5 kwh/gal	10 kwh/gal	11 kwh/gal	12 kwh/gal	13 kwh/gal

## WHAT ASSISTANCE IS AVAILABLE TO A UTILITY TO MEET THESE STANDARDS?

Efficiency improvement assistance such as general engineering and technical support for system upgrades, including the analysis of systems to determine appropriate efficiency improvements is available through DOE. Funding may be available through the Rural Electric Capitalization Fund, Power Project Fund, Rural Power Systems Upgrades, or Bulk Fuel Systems. To find out more information on these programs, contact DOE's Director's office.

## IF THE RATE OF ONE UTILITY IS HIGHER THAN THE RATE OF ANOTHER UTILITY, WILL THEIR PCE LEVELS BE DIFFERENT?

Probably, but not necessarily. In general, the higher the costs to produce electricity, the higher the utility's rates. However, there are many different ways a utility may charge its customers for electricity.

### For Example:

Some utilities charge all customers the same amount for each kwh sold.

Some utilities divide their customers into "classes", such as residential and commercial, and charge different rates to each class. In some instances different rates are charged within a class.

Utilities may further divide customer class into subclasses, determined by electric usage. However, each customer in each subclass is charged the same rate.

Different approaches to designing rates mean that two utilities with the same costs per kwh may charge different rates to their customers. Since PCE levels are based on a utility's rate or costs, whichever is less, two utilities with the same costs could receive the same PCE level for each kwh even if they had different rates.

## ARE ALL UTILITY CUSTOMERS ELIGIBLE TO RECEIVE PCE CREDIT? HOW MUCH?

The statute excludes from PCE state and federal offices/facilities. Public schools and all other utility customers are generally eligible to receive PCE credits, within the following statutory limits:

- Residential or commercial customers are eligible for PCE credit up to 700 kwh per month per customer;
- Community facilities, as a group, ca. receive PCE credit for 70 kwh per month multiplied by the number of residents in the community.

All eligible customers, including community facilities, must pay to the utility at least \*9.5¢ for every kwh eligible for PCE assistance, plus any difference between the PCE level per kwh and the rate charged by the utility. Customers must also pay to the utility the full rate for all kwh used in excess of those eligible for PCE. Customers receiving donated power are not eligible for PCE.

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\*Base may vary on annual basis, per AS 42.45.110(c)(2).

**WHAT PART OF A RESIDENTIAL OR COMMERCIAL CUSTOMER'S BILL IS ELIGIBLE FOR PCE ASSISTANCE?**

A residential or commercial customer will only receive PCE assistance for up to 700 kwh per month.

**For Example:**

If a customer used 500 kwh in one month, and the utility charges 50¢/kwh, and the approved PCE level is 37¢/kwh;

Then the customer's bill would be calculated as follows:

500 kwh x 50 cents/kwh =	\$250.00
<i>minus PCE credit:</i>	
500 kwh x 37 cents/kwh =	<u>-185.00</u>
the customer pays	<u>\$ 65.00</u>

**Another example is:**

If a customer used 800 kwh in one month, and the utility charges 50¢/kwh, and the approved PCE level is 37¢/kwh;

Then the customer's bill is calculated as follows:

800 kwh x 50 cents/kwh =	\$400.00
<i>minus PCE credit:</i>	
700 kwh x 37 cents/kwh =	<u>-259.00</u>
the customer pays	<u>\$141.00</u>

## WHAT IS A COMMUNITY FACILITY CUSTOMER?

The PCE statute defines a community facility as a water, sewer, or charitable educational facility, public outdoor lighting, or a community building whose operation is not paid for by the state or federal government or by a private commercial organization. A community building is further defined as a community facility that is not operated for profit, and that is open to the general public. DOE determines the community building(s) that may be included in this class of customers based upon information provided by the utility and the facility owner.

## DOES A COMMUNITY FACILITY CUSTOMER RECEIVE PCE FOR ALL THE KILOWATT HOURS IT USES?

Yes, in most cases. For customers designated as community facilities, the statute sets a total limit on the number of kwhs eligible for PCE within each community. The monthly limit for all community facilities in a community is calculated by multiplying the number of residents in the community, determined by the Department of Community and Regional Affairs, by 70 kwh. In most communities the group monthly limit is not reached.

### For Example:

If the total kwh usage of all the community facilities in one community is 5,000 kwh in one month,

And there are 50 residents in the community,

Then the utility would receive PCE for only 3,500 kwh  
(70 kwh x 50 residents = 3,500 kwh).

The remaining 1,500 kwh are not eligible for PCE.

## WHAT HAPPENS AFTER APUC APPROVES A PCE LEVEL?

APUC notifies the utility and DOE of the PCE level. Then the utility computes the customer's bill for the total electricity used during the month, subtracts the amount to be paid by the PCE program, and charges the customer the difference. The PCE statute requires that the customer is notified of the PCE credit with every bill.

## HOW DOES THE UTILITY RECEIVE PCE PAYMENTS FROM DOE?

The utility files a PCE Utility Monthly Report to DOE which shows the kwhs eligible for PCE payments. This report also contains other utility data. The utility also must submit a copy of its monthly records supporting the eligible kwh usage. This back-up data documents in summary for each customer: the kwh consumption, kwh eligible for PCE credit, the dollar amount of PCE credit given, the net amount due from the customer for that month and any prior months, if applicable, and the amount paid by the customer during that month.

The information provided with the monthly report is used to verify compliance with the program requirements.

## WHAT HAPPENS IF A UTILITY DOES NOT SUBMIT ALL THE INFORMATION NEEDED BY DOE TO AUTHORIZE PAYMENT?

If a utility does not submit all the information in the monthly report required to authorize payment, or if DOE believes there are reasons to question some of the information provided, DOE will work with the utility to resolve the problem. However, if the utility does not provide evidence to support its claim, DOE may suspend payment of PCE assistance in full or in part, as applicable, until the problem is resolved.

## UNDER WHAT OTHER SITUATION MAY DOE WITHHOLD PCE PAYMENTS?

DOE will withhold payment at the request of APUC, if the utility has not submitted its annual update filing. Payment will resume when the required filing is received by APUC.

## HOW DOES A UTILITY'S PCE LEVEL CHANGE?

A regulated utility must obtain APUC's approval to change any rate it charges to its customers. Its PCE level is adjusted whenever a change in its rates is approved by APUC.

An unregulated utility does not have to have approval by APUC to change any of its rates, except for the PCE level. In addition to providing financial information to justify changes in its PCE level, an unregulated utility must file information annually with APUC to support that its existing PCE level is still correct. Also, if at any time

the cost of an unregulated utility's fuel is reduced or its generation efficiency increases, APUC must be notified to see if the PCE level should be reduced. An unregulated utility may also request APUC to increase the PCE level if its fuel cost increases. The utility must also notify APUC if it changes its rate.

## WHAT HAPPENS IF THERE IS NOT ENOUGH MONEY TO FUND THE PCE PROGRAM?

If there are not enough funds to pay for the cost of the program in a given fiscal year, the PCE levels must be reduced. DOE notifies APUC that it has determined there is not enough money to fund the program, identifies the pro-rata reduction needed, and when it must be implemented. The APUC proportionately changes the PCE level for each utility in the program, and notifies the utility of the change.

### For Example:

In February, DOE determines that PCE monies will not last through the fiscal year (June 30). It notifies APUC that, to keep some level of funding for the entire year for all participating utilities, a reduction of 10% in all PCE levels must take place effective in May. APUC issues a notice to participating utilities.

## IS THERE TRAINING AVAILABLE ON THE PCE PROGRAM?

Yes. DOE, with assistance from APUC, may provide training to staff of a participating utility and take part in workshops that address all aspects of the PCE program. Individuals or utilities interested in training may call DOE.

**Appendix I**  
**Power Cost Equalization Statutes**

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**Article 2. Power Cost Equalization and Rural Electric Capitalization.**

<b>Section</b>	<b>Section</b>
100. Power cost equalization and rural electric capitalization fund	150. Definitions for AS 42.45.100 — 42.45.150
110. Entitlement to power cost equalization	160. Adjustments to power cost equalization
120. Notices to customers	170. Equalization assistance to unregulated utilities
130. Cost minimization	180. Grants for utility improvements
140. Customer petitions	190. Definition for AS 42.45.100 — 42.45.190

**Sec. 42.45.100. Power cost equalization and rural electric capitalization fund.** (a) The power cost equalization and rural electric capitalization fund is established as a separate fund for the purpose of