

# ***AVCP Calista Region's Energy Costs***

## **Fuel Price and Electricity**

Prices for residential heating oil, regular gasoline increased well over 100% since 2007 in many of the regions villages (prices without taxes). The AVCP Calista region's prices have followed national trends and will continue to be linked to world oil prices. Delivered prices in spring 2008 rose to \$8.00 gallon for home heating fuel throughout the region.

Electric utility rates are higher as 2009 begins, between 53¢ and 65¢ per kWh, and electric bills have been averaging around \$342 to \$360 per month in villages of the region. Usage has been anywhere around 530kWh to 750kWh per household. Increases in the electric rates have been reflective of higher delivered fuel costs in recent years and the PCE program has been significant in every community in helping to make electricity affordable to families in the region.

Fuel costs have been going up between \$6.00 and \$8.00 per gallon. Recently in the village of Emmonak fuel had to be flown in at a cost near \$10.00 per gallon when local storage runs out. Energy costs take up a significant portion of family disposable income, which in recent months is estimated 60% to 70% due to price hikes.

Any further increases in fuel costs and electric rates will have the effect of making fuel and electricity unaffordable. Recent studies that were conducted in the region (Nuvista Light and Power 2002 and 2004 Energy Studies) have shown that lower income residents devote higher amounts of their disposable income to energy and use less.

Unemployment rates are currently between 16.6 and 22.8 for the Bethel and Wade Hampton Census districts respectively. However, the jobless rate is even more significant and relevant indicator of the economic condition in the region. The rate is 38.5% and 43.3% for the Bethel and Wade Hampton census districts. Total income in 2007 for the Bethel census district was \$431.4 million and \$124.8 million which provided a median income of \$45,200 and average monthly income about \$2,700 for the Bethel census district; and \$36,600 median income and \$1,750 average monthly for the Wade Hampton census district.

**2008 Kuskokwim Salmon Fishery**

A total of 494,108 salmon was harvested in 2008 in the Kuskokwim area by 462 permit holders for an estimated ex-vessel value of \$1,487,111. This provides an exvessel value of \$3,219 per permit holder. (2008 ADF&G Kuskokwim River Salmon Fishery Report)

**2008 Yukon Commercial Fishery Summary**

A total 312,513 salmon were commercially harvested in the Lower Yukon in 2008. A total of 444 permit holders fished in the Lower Yukon area for a total of \$1,363,746 in ex-vessel earnings from the 2008 commercial fishery. This provides an exvessel value of \$3,071 per permit holder. (ADF&G 2008 Annual Yukon Salmon Fishery Report)

Both higher fuel costs and increases to electric rates also have the effect of making other local goods and services unaffordable. This has been demonstrated since the fall of 2008 with the onset of winter and freezing temperatures. Because of low income and higher energy costs, there were numerous families in the region that were unable to afford fuel, electricity and food items from the local store. This humanitarian crisis surfaced in numerous news media and generated food drives and donations to villages in the Yukon delta.

This is an indicator that populations throughout the region are vulnerable, local economies are fragile and susceptible to further fuel and price and electric rate increases.

BOB CHARLES, AVCP

## Fuel costs by village (Tundra Drums Newspaper 1/3/08)

*The price of gasoline and heating oil in the Yukon-Kuskokwim Delta is sometimes twice that of prices in Anchorage and Fairbanks. Villages are ranked by the cost of heating oil, from highest to lowest.*

<b>Village</b>	<b>Vendor</b>	<b>Gasoline</b>	<b>Heating oil</b>
Akiachak	Akiachak Fuel Sales Inc.	\$5.55	\$5.44
Akiak	Stephan Ivan and Sons Store	\$5.00	\$4.60
Alakanuk	Alakanuk Native Store	\$5.83	\$5.04
Aniak	Crowley Maritime Corp.	\$4.62	\$4.28
Atmautluak	Atmautluak Ltd. Store	\$4.93	\$4.81
Bethel	Northstar Gas	\$4.84	\$4.55
Chefornak	Chefarnmute Inc. Yupiak Store	\$5.46	\$4.44
Chevak	Chevak Co. Store	\$5.35	\$5.15
Chuathbaluk	City of Chuathbaluk	\$5.10	\$5.15
Crooked Creek	Thomas Trading Post	\$5.95	\$5.85
Eek	Iqijouaq Co. Inc.	\$5.11	\$5.15
Emmonak	Emmonak Corp.	\$5.91	\$4.85
Gambell	Gambell Native Store	\$6.02	\$4.89
Goodnews Bay	Mumtram Pikkai Inc.	\$5.25	\$4.12
Grayling	HYL Fuel	\$5.50	\$4.50
Holy Cross	Holy Cross Oil Co.	\$5.30	\$4.55
Hooper Bay	Crowley Maritime Corp.	\$5.32	\$5.05
Kasigluk	Kasigluk Inc.	\$5.45	\$5.40
Kipnuk	Kugkaktlik Ltd.	\$5.51	\$4.60
Kongiganak	Qemirtalek Store	\$4.48	\$4.45
Kotlik	Kotlik Yup'ik Enterprises	\$5.95	\$5.11
Kwethluk	Kwethluk Sports Store	\$5.16	\$4.96
Kwigillingok	Kwik Inc.	\$5.35	\$4.85
Marshall	Marshall Enterprises	\$4.83	\$4.88
McGrath	Crowley Maritime Corp.	\$5.73	\$4.92
Mekoryuk	NIMA Store	\$5.42	\$4.82
Mountain Village	Azachorok Fuel Co.	\$5.01	\$4.81
Napaskiak	Napaskiak Tribal Council	\$5.08	\$5.15
Newtok	Newtok Traditional Council	\$4.99	\$4.90
Nunapitchuk	Nunapitchuk Ltd. general store	\$5.40	\$5.35
Pilot Station	Pilot Station Inc. Native Store	\$6.08	\$5.98
Quinhagak	Qanirtuuq Inc.	\$5.40	\$4.87
Russian Mission	Russian Mission Native Corp.	\$5.52	\$4.75
Savoonga	Savoonga Native Store	\$5.76	\$4.83
St. Marys	Crowley Maritime Corp.	\$4.85	\$4.86
Togiak	Togiak Fuel Distributors LLC	\$4.21	\$3.68
Toksook Bay	Nunakaviak Yup'ik Corp.	\$5.89	\$5.24
Tuluksak	Tuluksak Native Store	\$4.93	\$4.32
Tuntutuliak	Qinarmiut Corp. Store	\$5.00	\$5.15
Tununak	Tununarmiut Rinit Corp.	\$4.75	\$4.56
Upper Kalskag	City of Upper Kalskag	\$5.15	\$5.00

*For comparison:*

Anchorage Various \$3.06 \$3.20

Fairbanks Various \$3.07 \$3.18

SOURCE: Telephone survey by The Tundra Drums

## Fuel Prices as of February 25, 2009

Villages	Stove oil per gallon		Gas	with tax
		with tax		
Akiachak	7.06	7.41	6.59	6.91
Akiak	6.45	no tax	6.25	no tax
Alakanuk	7.25	7.54	6.74	7.03
Atmautluak	5.69	5.86	5.75	5.92
Chefornak	7.90.	8.06	7.55	7.70.
Chevak	5.95	no tax	6.00.	no tax
Eek	6.62	6.75	6.29	6.42
Emmonak	7.60	7.83	7.04	7.25
Goodnews Bay	6.14	6.32	6.71	6.91
Kasigluk	5.69	5.92	5.74	5.97
Kipnuk	7.71	7.94	7.13	7.34
Kongiganak	6.50.	no tax	5.90.	no tax
Kotlik	Cash	7.85	7.55	8.55
Kotlik	Charge	7.79	7.61	8.55
Kwethluk	8.10.	no tax	5.86	no tax
Kwigillingok	6.70.			
Marshall	7.25	7.54	6.98	7.26
Mekoryuk	6.08	6.32	5.49	5.71
Mtn. Village	6.82	7.02	6.31	6.50.
Napakiak	6.40.	6.59	5.75	5.92
Napaskiak		7.17		
Newtok	6.47	no tax	6.30.	6.42
Nightmute	7.93	no tax	7.74	no tax
Nunam Iqua	7.35	no tax	7.20.	no tax
Nunapitchuk	5.69	5.86	5.74	5.91
Oscarville		6.00		
Pilot Station	7.13	7.42	6.55	6.81
Platinum	5.45	no tax	5.75	no tax
Quinhagak	7.02	7.23	6.22	6.41
Scammon Bay	6.90.	7.07	6.79	6.93
Toksook Bay	7.86	no tax	7.98	8.13
Tuluksak	6.79	6.99	6.39	6.58
Tuntutuliak	6.86	no tax	6.60.	no tax
Tununak	6.14	no tax	5.43	no tax
Hooper Bay	7.37	no tax	7.16	no tax
St. Mary's	6.67	no tax	6.41	no tax

(Source: AVCP Administration)

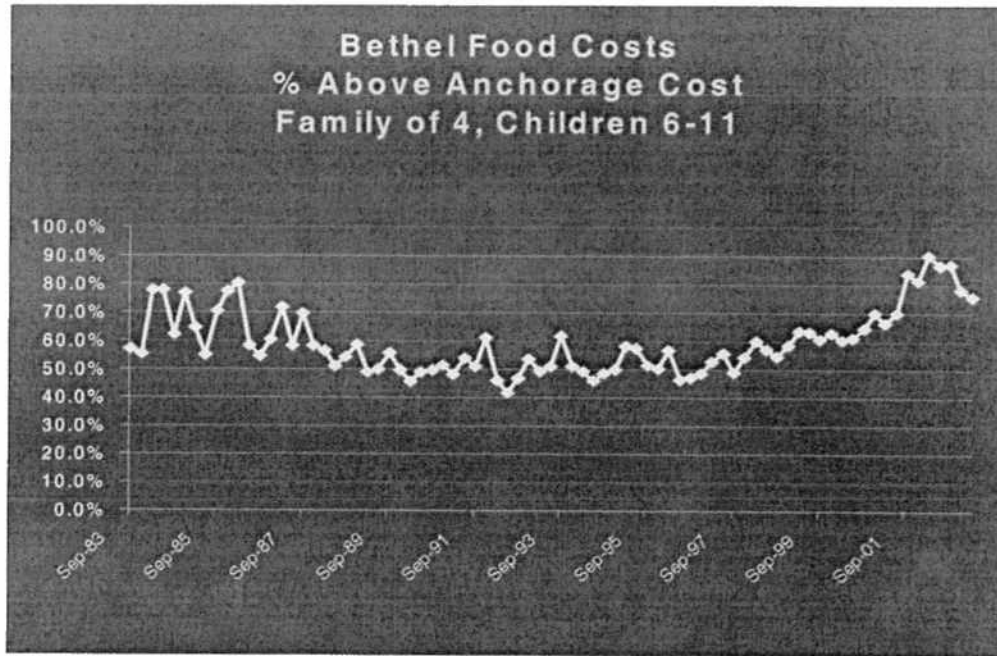
# Electricity

Utility	Community	Pop 06/30/07	Total Fuel Used (gallons)	Total Cost of Fuel/Gallon	Avg Price of Fuel/Gallon	Total Diesel Generated kWhs
Akiachak Native Community Electric Co.	Akiachak	644	181,453	\$ 596,325.38	\$ 3.29	1,800,172
Akiak, City of	Akiak	378	90,305	\$ 272,651.20	\$ 3.02	
AVEC	Alakanuk	678	132,087	\$ 248,342.41	\$ 1.88	1,757,214
AVEC	Chevak	916	180,785	\$ 345,846.13	\$ 1.91	2,287,638
AVEC	Eek	291	56,570	\$ 108,336.85	\$ 1.92	775,087
AVEC	Emmonak	740	202,893	\$ 385,988.38	\$ 1.90	2,884,529
AVEC	Goodnews Bay	238	54,725	\$ 105,155.68	\$ 1.92	686,347
AVEC	Hooper Bay	1,133	207,586	\$ 389,582.77	\$ 1.88	922,360
AVEC	Kasigluk	534	162,151	\$ 310,947.73	\$ 1.92	2,235,444
AVEC	Lower Kalskag	252	-	\$ -	***	
AVEC	Marshall	370	86,539	\$ 164,360.37	\$ 1.90	1,203,402
AVEC	Mekoryuk	192	68,559	\$ 128,585.15	\$ 1.88	962,073
AVEC	Mountain Village	786	176,569	\$ 330,378.50	\$ 1.87	2,615,914
AVEC	Nightmute	234	45,085	\$ 84,482.52	\$ 1.87	588,666
AVEC	Nunapitchuk	516	-	\$ -	***	
AVEC	Pilot Station	565	128,455	\$ 241,443.70	\$ 1.88	1,701,354
AVEC	Pitkas Point	103	-	\$ -	***	
AVEC	Quinhagak	642	134,072	\$ 259,790.18	\$ 1.94	1,802,038
AVEC	Russian Mission	329	59,709	\$ 111,665.65	\$ 1.87	815,679

AVEC	Scammon Bay	509	121,579	296,144.96	\$ 2.44	\$ 1,635,960
AVEC	St. Mary's, Andreefsky	715	215,077	408,856.64	\$ 1.90	\$ 3,196,819
AVEC	Toksook Bay	596	139,588	267,737.43	\$ 1.92	\$ 2,552,597
AVEC	Tunanak	328	-	-	***	
AVEC	Upper Kalsag	276	91,301	172,331.09	\$ 1.89	\$ 1,255,023
Aniak Light & Power Company	Aniak	528	195,889	540,199.25	\$ 2.76	\$ 2,569,600
Atmautluak Joint Utilities	Atmautluak	304	53,931	173,703.84	\$ 3.22	\$ 33,269
Bethel Utilities Corp.	Bethel/Oscarville	6,019	3,084,531	11,632,705.15	\$ 3.77	\$ 42,140,800
Kipnuk Light Plant	Kipnuk	688	142,565	451,036.54	\$ 3.16	\$ 1,427,939
Kotlik Electric Services	Kotlik	609	151,270	486,744.88	\$ 3.22	\$ 1,763,129
Kwethluk, Inc.	Kwethluk	695	100,363	285,573.91	\$ 2.85	\$ 1,438,119
Kwig Power Company	Kwigilligok	361	70,347	189,187.38	\$ 2.69	\$ 1,065,250
Lime Village Electric Utility	Lime Village	28	9,721	51,666.35	\$ 5.31	\$ 101,016
MKEC	Chuathbaluk	93	25,565	81,655.43	\$ 3.19	\$ 258,721
MKEC	Crooked Creek	145	23,876	76,182.40	\$ 3.19	\$ 274,824
MKEC	Red Devil	36	15,424	49,270.05	\$ 3.19	\$ 151,124
MKEC	Sleetmute	92	27,655	87,272.92	\$ 3.16	\$ 286,831
MKEC	Stony River (11)	42	15,078	47,499.46	\$ 3.15	\$ 143,427
Napakiak Ircinraq Power Company		373	-	-	***	

Napaskiak Electric Utility		428	74,098	\$ 235,252.27	\$ 3.17	934,527
Naterkaq Light Plant	Chefornak	457	73,122	\$ 264,217.17	\$ 3.61	904,180
Nunam Iqua Electric Company		158	51,717	\$ 154,223.89	\$ 2.98	699,396
Platinum, City of		38	20,570	\$ 76,508.11	\$ 3.72	199,072
Puvurna Power Company	Kongiganak	427	77,820	\$ 229,133.10	\$ 2.94	951,274
Tuluksak Traditional Power Utility		466	75,738	\$ 228,234.80	\$ 3.01	869,717
Tuntutuliak Community Service Assoc.	Tuntutuliak (7)	399	43,963	\$ 100,930.75	\$ 2.30	542,072
Unqusrag Power Company	Newtok	315	39,791	\$ 60,148.68	\$ 1.51	274,248

(2007 PCE Statistical Report, State of Alaska)





**Average Prices of Fuel and Food Items in the Region**

These are some current prices as of 02/25/09

Stove Oil:	Average Ticket from Village to Bethel Round Trip:
<u>\$7.00</u> per gallon (Bulk)	<u>\$410.86</u>
Regular Unleaded Gasoline:	Average Ticket from Village to Anchorage Round
<u>\$6.69</u> per gallon	Trip:
Propane:	<u>\$556.36</u>
<u>\$264.00/100#</u> -25 gal. bottle	Basic Cellular Service:
Telephone Service (Basic): <u>\$34.43/mo</u>	<u>1200/min</u> <u>\$55.00/avg. Monthly</u>
Housing Payment/Rent: <u>\$290.00</u> to	Snow-machine 550-800cc <u>\$8,200.00</u>
<u>\$683.00</u>	Outboard Motor 100-115hp <u>\$10,713.00</u>

**SELECTED FOOD ITEMS (ON SALE IN LOCAL STORE)**

10lb of Potatoes:	10 lb. Flour:
<u>\$10.99</u>	<u>\$15.43</u>
Apples:	Beef Steak:
<u>\$2.86/lb</u>	<u>\$13.44/lb</u>
Bath Tissue:	Ground Beef:
<u>\$34.56/24 pkl</u>	<u>\$5.11/lb</u>
1 Doz. Grade A Eggs:	Gallon of Milk:
<u>\$4.36</u>	<u>\$9.26</u>
1 Lb. Coffee:	White Bread:
<u>\$10.28</u>	<u>\$4.12</u>
1 lb. Butter	Sales Tax: <u>2%</u>
<u>\$5.00</u>	