



# City and Borough of Sitka

## Electric Department

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Charles Y. Walls, Utility Director

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September 13, 2005

To: John Stein, City Administrator  
From: Charlie Walls, Electric Utility Director  
Re: Oil versus Electric Space Heating

Here is a chart that compares the relative cost of oil versus electric space heat. Our current residential tail block rate (over 1,000 kilowatthour usage) is 9.18 cents per kWh. The 70% efficient line assumes #2 heating fuel. The 80% efficient line assumes #1 heating fuel using the popular Toyo or Monitor oil stoves. Most modern oil heating systems in good condition will be about 70% efficient with the Toyo or Monitor stoves about 80%. With heating oil prices above \$2.75 per gallon, electric heat is now less expensive than oil heat.

### ELECTRIC VS OIL HEAT - COST PER MILLION BTU

