



Memo

To: Haines Borough Energy & Sustainability Commissioners
From: Stephanie Scott, Energy & Sustainability Coordinator
CC: Tom Bolen, Borough Manager
Date: December 18, 2008
Re: Old Business: Energy Audits (e)

Section 3 of Haines Borough Resolution 06-08-123 states that

The Borough manager shall hire an energy rater to conduct an energy audit on three borough facilities as selected by the Energy and Sustainability Commission not to exceed \$1000 per facility.

Several Borough facilities have been recently assessed by engineers or, in the case of the Visitor's Center, by knowledgeable staff. There are engineers' reports on the Chilkat Center (May 2008) and on the Haines Swimming Pool (2008). There is a thorough and recent analysis (June, 2008), complete with photos, on the state of the insulation and the general condition of the building for the Visitor's Center. The Sheldon Museum had an energy audit performed by a certified auditor in 1999. The recommendations have not been implemented. They are still valid.

Here is a list of the facilities that have not been formally assessed. I am also reporting 2008 year-to-date energy consumption. The buildings could be ordered in a variety of ways. I ordered them from largest in area to smallest in area. Some of the smallest buildings seem to be consuming the largest quantity of fuel: Water Treatment Plant, Old Public Works Shop, Mosquito Lake School. Should this be the basis for recommending an energy audit?

Based on site visits, combined with the probability of staff being able to take action to mitigate some of the energy losses and consumption, I am recommending that the Public Safety Building, the Administration Building, and the Library receive audits. However, I am looking forward to discussions with you and with the manager and coming to consensus on the best buildings to audit.

Building	Kilowatt-hours	Gallons of Fuel Delivered	Area (Sq. Ft.)
K-12 School & Pool	863,680 (includes Voc. Ed)	28,486.4	86,882
Public Safety Bldg.	66,858	3,136.9	11,984
Sewer Plant	186,040	5,550.3	1240: shop 800: office 8075: Plant
Public Library	55,920	2,785.5	8130
Mosquito Lake School	29,080	7508.1	5374
Public Works Shop New	3063	1,264.1	2400: shop 3360:open area
Vocational Bldg.	N/A	1,090.2	5000
Administration Bldg.	29,850	965.41	3552
Public Works Shop Old	29,189	3,130.5	3500
Water Plant	13,760	3,051.4	1980