



**Report to Energy & Sustainability Commission
Stephanie Scott, Haines Borough Energy & Sustainability Coordinator**

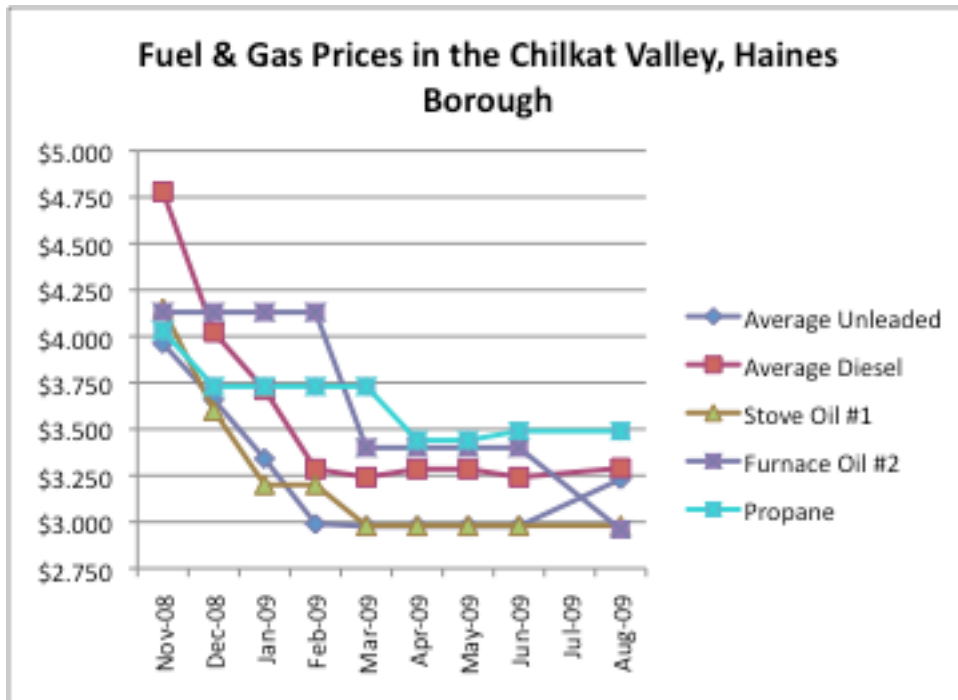
August 17, 2009

Local Fuel Prices

The price of #2 heating fuel plunged by almost 13% between June and August; however, the supplier expects a barge early the week of August 24 and that will influence the retail price. The average price of unleaded gasoline is up significantly by 8.5%, now almost equal to the average price of diesel.

	Jun-09	Aug-09	Percent Increase
Average Unleaded Gasoline	\$2.977	\$3.230	8.50%
Average Diesel	\$3.241	\$3.290	1.51%
Stove Oil #1	\$2.980	\$2.980	0.00%
Furnace Oil #2	\$3.400	\$2.960	-12.94%
Propane	\$3.490	\$3.490	0.00%

The propane supplier expects the price of propane to drop.



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EECBG (Energy Efficiency & Conservation Block Grant, Federal Stimulus Funds)

Friday, August 14, the Manager received an email explaining that the Haines Borough cannot use EECBG funds to retrofit the lights in the swimming pool.

According to Mr. Lucas Adin, Energy Technology Program Specialist, Building Technologies Program, funds available through the Recovery Act, as are EECBG funds, cannot be used

... by any State or local government, or any private entity, for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool. This language can be found in Title XVI, Section 1604 of the Act. (http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=111_cong_bills&docid=f:h1enr.pdf)

However, we are in luck because

There is no set deadline for the reconsideration of a government's use of funding once it has applied to receive it, so you have as long as you need. (email from Mr. Adin, August 17, 2009).

The Manager's preference is to go forward with the swimming pool retrofit (which includes design and installation of an independent electrical service for the pool), shifting deferred maintenance funds to that project, and funding a qualifying deferred maintenance project with the EECBG funds.

Mr. Adin is comfortable with a project that starts with an energy audit and then uses the balance of the funds to implement energy savings projects identified by the audit. Ideally, all Borough facilities would be audited and then we would start with the project that provides the greatest savings. However, as we have discussed previously, all audits are expensive and multiple audits may leave nothing left over in the EECBG funds for implementation.

So the question is, given what we know about our facilities, which facility, if weatherized and outfitted with energy saving equipment, could provide the greatest savings to the Borough?

To help think through this situation, I have ordered our facilities by KWH consumed annually on average per square foot; and by gallons of oil consumed annually on average by square foot. The annual average is the average of

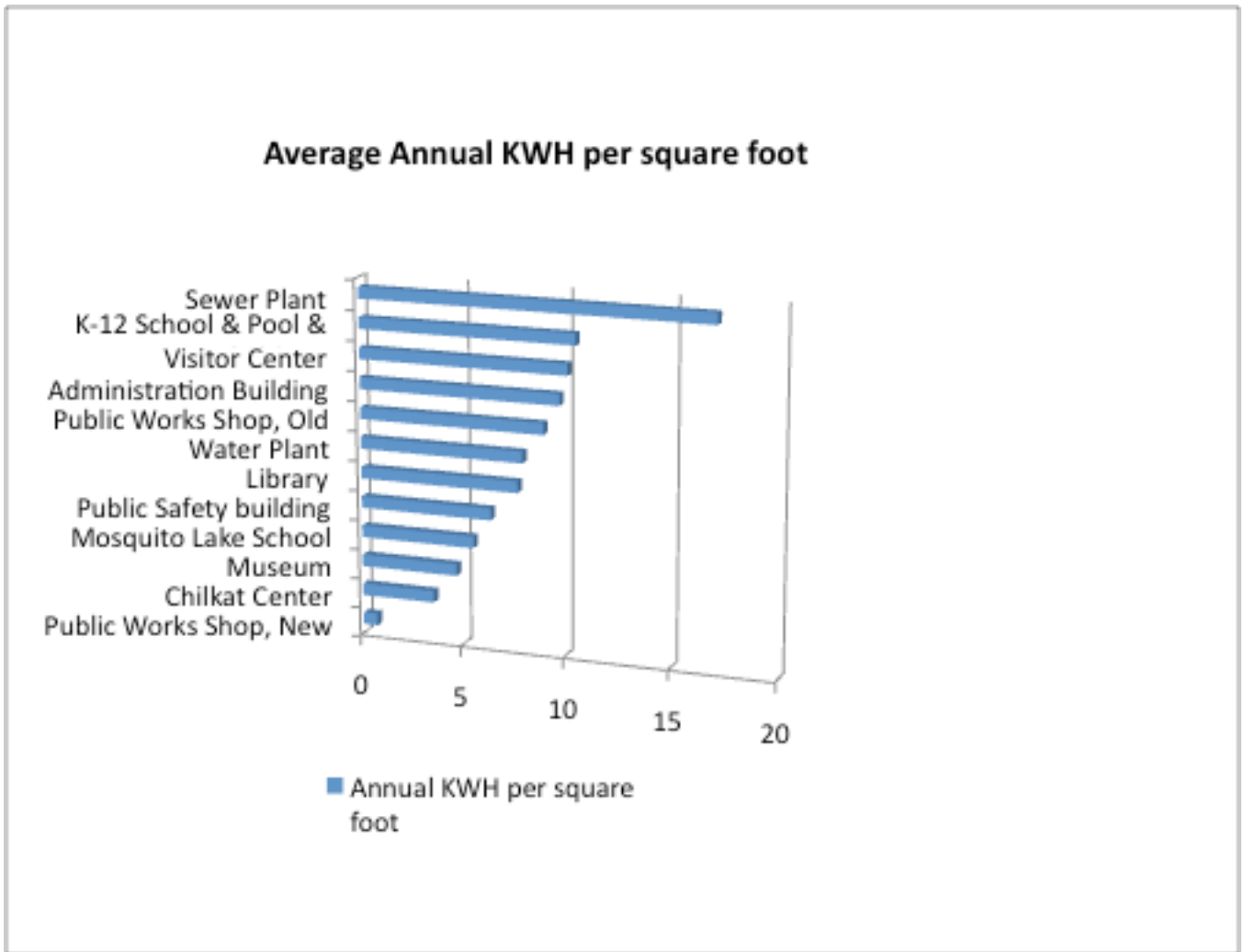
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energy consumed over a three year period: 2006 – 2008, with the exception of the K-12 School. The K-12 School information is based on 2008 figures.

You can see that in terms of building electrical use, the largest building is not always the largest consumer. In fact, the tiny visitor center uses more KWH per square foot than the significantly larger Chilkat Center.





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Using fuel oil delivered annually on a per square foot basis (using 2008 actual deliveries), the standouts are the old public works shop, the Chilkat Center, Mosquito Lake School, and the Water Plant.

Facility	2008 oil deliveries	Area (sq. ft)	Gal.Oil Delivered per sq. ft.
Vocational Ed. Building	1206.7	5000	0.24
Public Works Shop, New	1490.4	5760	0.26
Public Safety building	3775.4	11,984	0.32
Administration Building	1142.91	3552	0.32
K-12 School & Pool	31,836	86,882	0.37
Library	2905.2	8130	0.36
Museum	3274.9	6837	0.48
Sewer Plant	6656.8	10,115	0.66
Museum Shed	345.9	480	0.72
Visitor Center	821	1008	0.81
Public Works Shop, Old	3774.5	3500	1.08
Chilkat Center	10480.5	9766	1.07
Mosquito Lake School	7508.1	5374	1.40
Water Plant	3498	1980	1.77



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