



Wood Chips To Energy



Wood chips provide approximately 5,000 BTU's per lb. and account for approximately 70% of Northwest's energy needs.

Throughout the year, wood chips are hauled to Northwest. The wood chip are moved in walking trailer beds that hold up to 25 tons of material.



Paper and Cardboard



- Waste Paper is delivered to the processing plant
- The paper is ground into a fine fluff
- The paper is then pelletized at a rate of 1 ½ to 2 tons per hour.



Waste Paper To Energy



After pelletized, the waste paper is in 3 inch by 5/8 inch pellet that can now be easily handled and burned. Paper pellets produces approximately 8,000 BTU's per lb. of material.

Feed Stock To Energy



Inside the hoop shed, feed stock is air dried and mixed with saw dust. This process virtually eliminates the noxious odor normally associated with feed stock material.

Once dried, the feed stock blend looks like dirt and is hauled to the processing plant for pelletization. When burned it produces approximately 5% of the University's total energy needs.



Northwest Missouri State University

In the 2005-2006 fiscal year

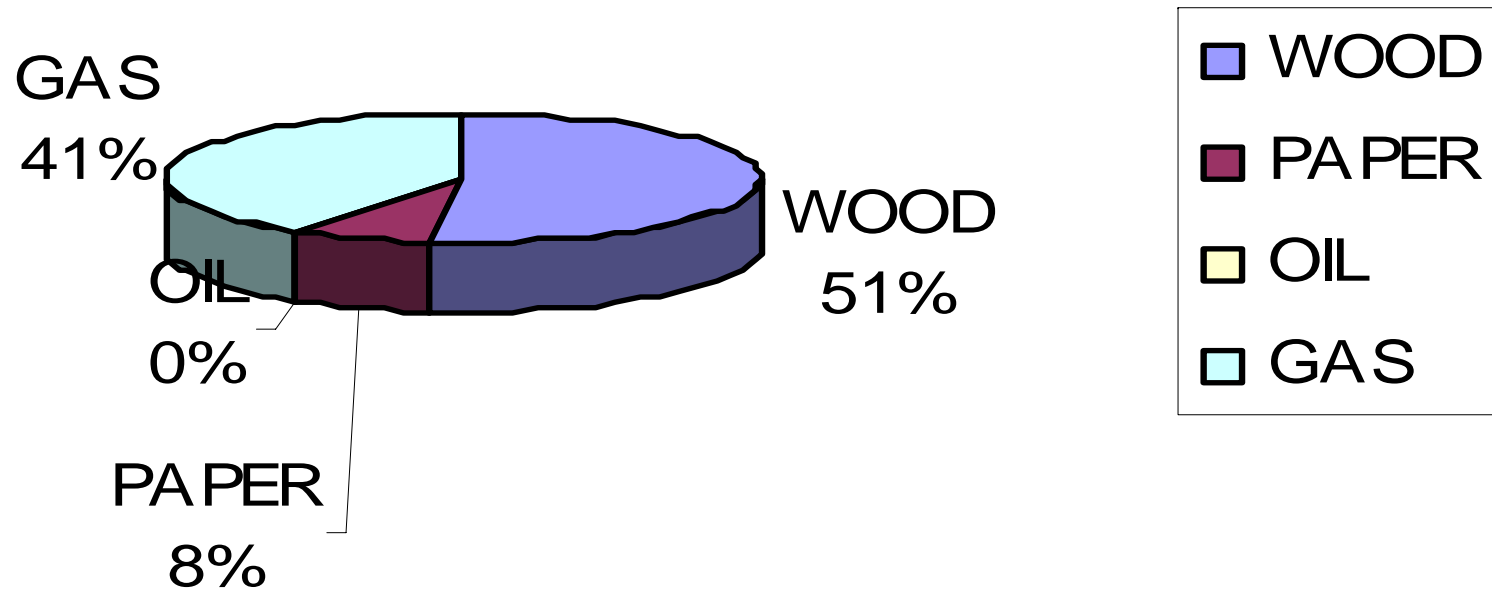
- 15,885 tons of wood burnt
- 1918 tons of paper and manure pellets burnt
- 34,146 Dth's of natural gas burnt

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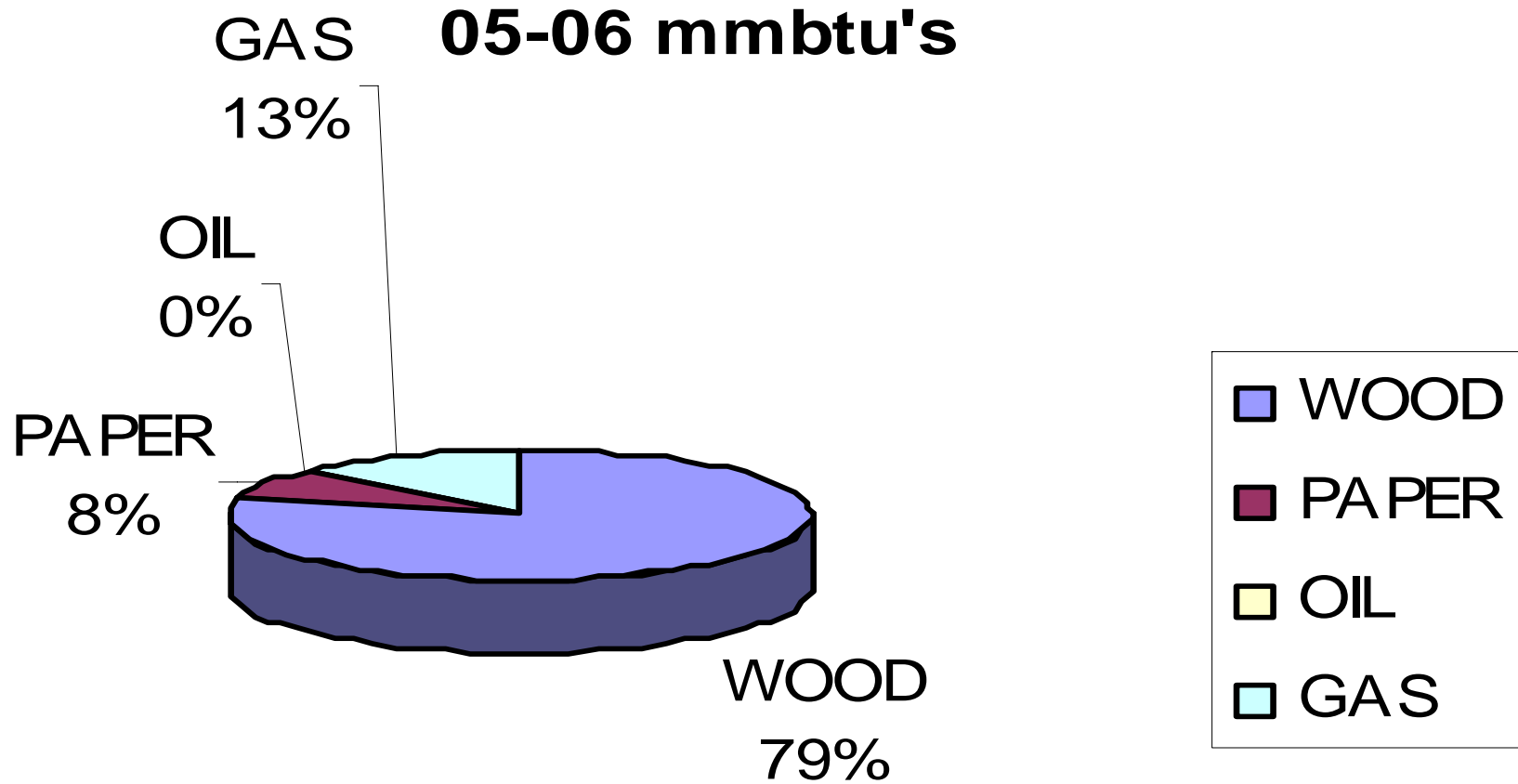
05/06	Mmbtu's		DOLLARS
WOOD	211,279	WOOD	\$452,673.29
PAPER	22,068	PAPER	\$ 67,162.90
OIL	-	OIL	\$ -
GAS	34,966	GAS	\$356,051.75
TOTAL	268,313	TOTAL	\$875,887.94

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05-06 dollars

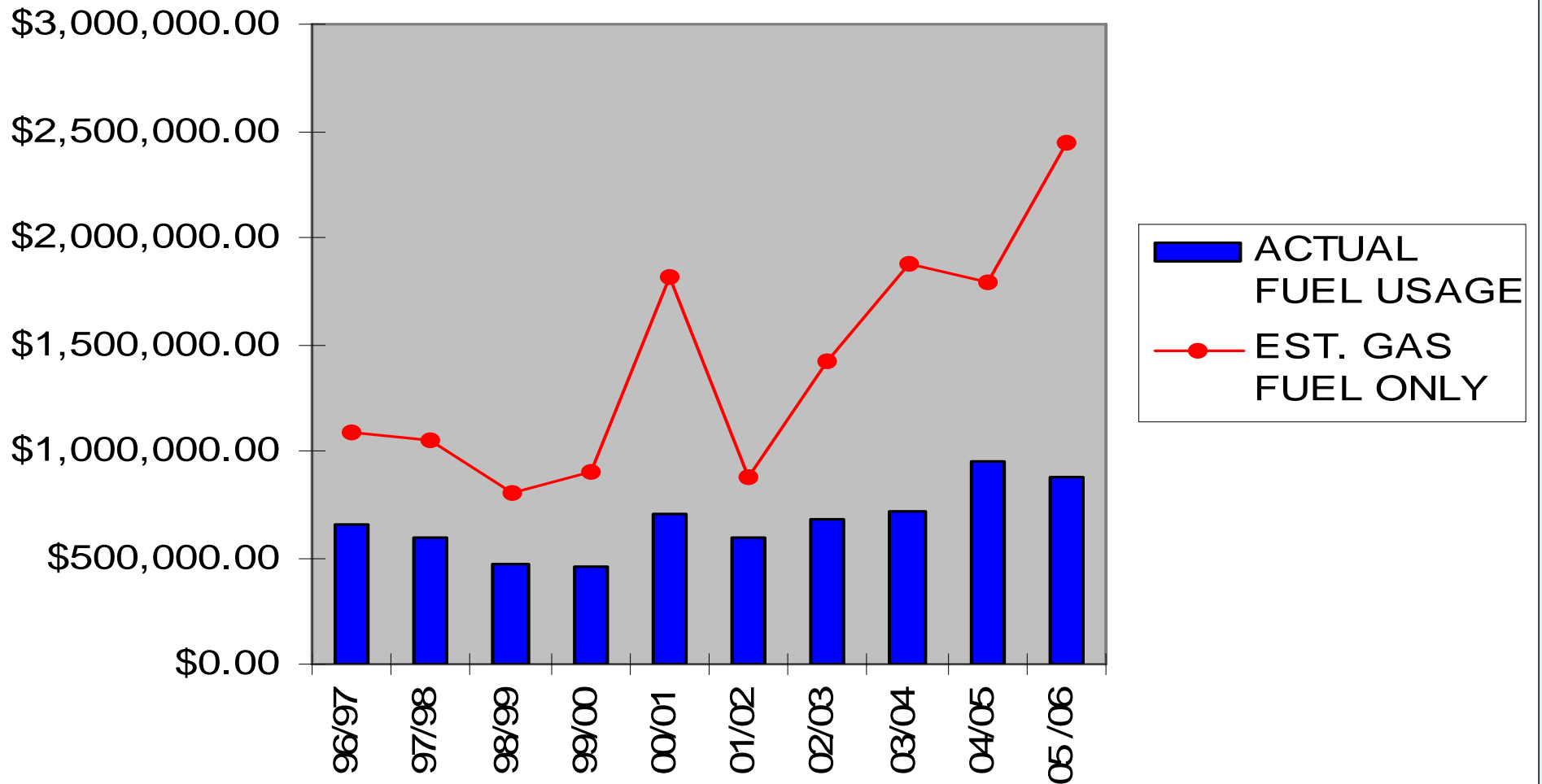


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FUEL COST COMPARISON \$



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SAVINGS FROM USE OF ALTERNATIVE FUEL

