

## **“Change in Logging and Hauling Costs with Fuel Price Change” Notes:**

### **INPUTS:**

- The *DATES* and *PRICES* of the times you want to compare. Use either off-road or highway prices – whichever you are monitoring. Most in our industry use the Lower Atlantic fuel price off of the eia.gov site so as to all be on the same page

- ***The gallons/ton your particular job uses:*** This will of course vary with each job. Depending on a lot of factors including tract type, types of equipment used, ground conditions, time of year, etc. Lots of variance in this input from job to job but a simple calculation from records - divide the amount of off-road fuel purchased by the total tons produced over a time period for a good average for the job.

- ***Truck MPG:*** the miles per gallon your trucks average. For our industry usually is between 4.7 and 6.5 depending on variables: age and size of truck engine, haul distances and road types, amount of time spent waiting to get loaded and unloaded, off-road miles, average net weights, etc. The number should be readily available off the trucks’ quarterly IFTA fuel reports.

- ***Percent Loaded Miles:*** simply the amount of miles the truck is paid for divided by the total miles the truck travels. In our industry trucks are normally paid for the distance from the deck to the unloading mill. So at best this percentage will usually be around 50. Will be worse if the truck travels a long distance each day to and from the nighttime parked location to the job site not on the loaded haul route. Will be better if there are a lot of short minimums where the truck is paid more miles than actually travels. These are necessary because of the amount of load/unloading time our trucks spend compared to other trucking industries.

### **RESULTS:**

- ***CHANGE IN FUEL PRICE:*** simply ending fuel price minus the beginning fuel price for the time you’re looking at.

- ***CHANGE IN LOGGING COST PER TON:*** the change in this job’s cost per ton over the selected time frame for FUEL ONLY from the stump to the deck.

- ***CHANGE IN LOGGING COST PER MILE:*** the change in the trucks’ cost per loaded mile (paid mile) for FUEL ONLY over the selected time frame.