A Case Study On the Compliance of the Heavy Duty Diesel Vehicle Regulation

In December of 2008 the California Air Resource Board approved the On Road Heavy Duty Diesel Vehicle Regulation. The purpose of this new law is to reduce the emissions from existing on-road diesel vehicles operating throughout California. However, this new regulation is drastically affecting trucking companies throughout the state of California. Trucking companies across state lines are left with a few costly options to comply with the On Road Heavy Duty Diesel Vehicle Regulation. This case study focuses on two similar trucking companies and how they went about complying with the new regulation and which options have been most effective for their business. The findings from this case study are intended to help other trucking companies comply with the new regulation with the least significant impact on their business.

Key Words: Trucking, California Air Resource Board, Emission Compliance

Regulation Timeline

Compliance Options
Low Use Mileage Program
Retrofit Existing Trucks
Buy New Trucks

Riverside Transport
Riverside Transport is located in Isleton, California. This organization primarily operates in the central valley and serves the agricultural and construction industries. Riverside operates about 30 units in which are capable of hauling all types of trailers.

Conclusion
After concluding my case study I found that equipment costs as well as productivity have the greatest impact when updating a larger trucking fleet. Taking this into consideration, the most effective way to go about the On Road Heavy Duty Diesel Vehicle Regulation is to consider how many operating units you will need. Then determine how many new trucks your company can afford and retrofit the remainder. This allows for the most productivity and the least amount of burden on cost.

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