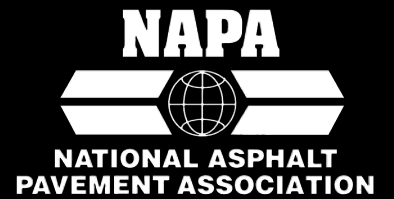


*Quality Improvement Series 126*



# Energy Conservation in Hot-Mix Asphalt Production



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## Acknowledgement

This publication would not be possible without the help of NAPA's Associate Members, who are the companies that represent the equipment manufacturers, equipment dealers, and consulting engineers of the industry.

We turned to these companies for assistance because, while NAPA has conducted its own primary research in the past in related areas (primarily with the research and publication of IS-52, *The Fundamentals of the Operation and Maintenance of the Exhaust Gas System in a Hot Mix Asphalt Facility*), when it comes to energy efficiency models, theoretical assumptions are required that affect final outcome. Many of NAPA's Associate Members have developed their own efficiency models to guide the design and performance analysis of their own equipment. Many of these models, or the results of these models in the form of technical bulletins and publications, are available to NAPA members directly from the companies. Replicating this work seemed impractical and ill-advised, and would only open the door to discrepancies in final outcome based on differences in these theoretical assumptions. Knowing that we desired a publication that would provide practical field guidance to NAPA's HMA Producer Members, we chose instead to take a secondary research approach to this topic, reviewing the models available and averaging the results in order to generate reasonable and practical rules of thumb that could be used for judging production efficiency and making management decisions on changes in production practices.

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