

THE ENVIRONMENTAL SCIENCE & HEALTH EFFECTS PROGRAM AT THE NATIONAL RENEWABLE ENERGY LABORATORY

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The objective of DOE's Office of Heavy Vehicle Technologies (OHVT) Environmental Science & Health Effects (ES&HE) Program is to conduct policy-relevant research that will help us understand atmospheric impacts and potential health effects that may be caused by alternative and petroleum-based fuels and different mobile source technologies. Our presentation will summarize current EPA regulations and how they will impact emissions from mobile sources. We will present a progress report on several studies that we are funding, each designed to address different aspects of mobile source emission issues.

Projects of interest include a diesel aerosol sampling methodology study, which includes seven research groups from the U.S. and Europe; a weekend ozone study; and a study to investigate the relative contribution of gasoline and diesel particulate matter emissions on air quality in California's South Coast Air Basin. These ES&HE projects, many of which are supported in part by other sponsors, are designed to provide input and guidance to EPA's and CARB's regulatory decision-making process.