

Field Testing and Evaluation of Advanced Technologies and Fuels

CalHEAT is funded by the California Energy Commission and operated by CALSTART

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The California Hybrid, Efficient and Advanced Truck (CalHEAT) Research Center is a California-based resource for research, development, demonstration and commercialization of advanced and efficient truck technologies and systems.

Testing & Evaluation

CalHEAT works with commercial fleets, the industry and their funding partners to provide non-biased, independent data collection and performance evaluation of advanced technology vehicles and fuels.

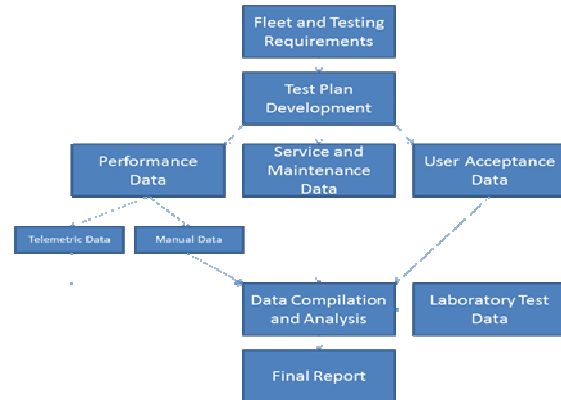
CalHEAT designs and performs in-use field evaluation, data collection and analysis on new advanced vehicles technologies and fuels.

CalHEAT uses a proven process to assist fleets in identifying their unique needs, develop appropriate tests and evaluate the most efficient technology choices.

- Analysis and development of drive/duty cycle
- In-use vehicle performance monitoring
- Laboratory testing (i.e. chassis dynamometer testing)
- Fuel economy and fuel consumption comparative analysis
- Assess reliability
- Survey user acceptance
- Quantify maintenance and operating costs

Fuel economy is one of the most important aspects of developing a new vehicle technology. CalHEAT specializes in sorting out “real-world” data to perform comparisons between the various technologies. From natural gas vehicles to pure electric vehicles, CalHEAT will test and provide information that gives the stakeholder a detailed view and understanding of the advanced technology benefits.

Data Collection Capabilities



Examples

Successful work performed by CalHEAT or CALSTART include testing and demonstrations of:

- Hydraulic refuse truck in Washington
- Hybrid utility bucket trucks for the US Navy
- Battery-electric parcel delivery trucks
- LNG yard hostlers
- Hybrid yard hostlers

For more information, visit:

CalHEAT www.calheat.org
 California Energy Commission www.energy.ca.gov
 CALSTART www.calstart.org

