



On-Board Idle Reduction Options

Available Now:

APUs, Gensets, Diesel-fired heaters, & cooling devices

Coming Soon:

More electric truck, Phase change cooling, & fuel cell APUs



Barriers to Market Penetration

- Cost/payback period
- Driver education/training/receptiveness
- Reliability & service intervals
- Weight and size



DOE Idle Reduction Implementation Plan

Goal: Maximize introduction & use of idle reduction technologies in HD trucks

Objectives:

- Data collection/demonstration
- Cost reduction
- Education & outreach



Data Collection/Demonstration

Gather objective in-use information on:

- Costs
- Payback
- Fuel consumption
- Reliability/durability
- User impressions

Establish technology baseline for 21CTP



Cost Reduction

Overcome critical cost barriers by identifying & implementing strategies for:

- Installation on-line @ truck OEMs
- Federal excise tax elimination
- Tax credit for installation & use
- Production economies of scale



Education & Outreach

Conduct education & outreach to increase:

- Knowledge
- Awareness
- Acceptance

within trucking industry & public at large