



Small Can Emission Reduction Partnership

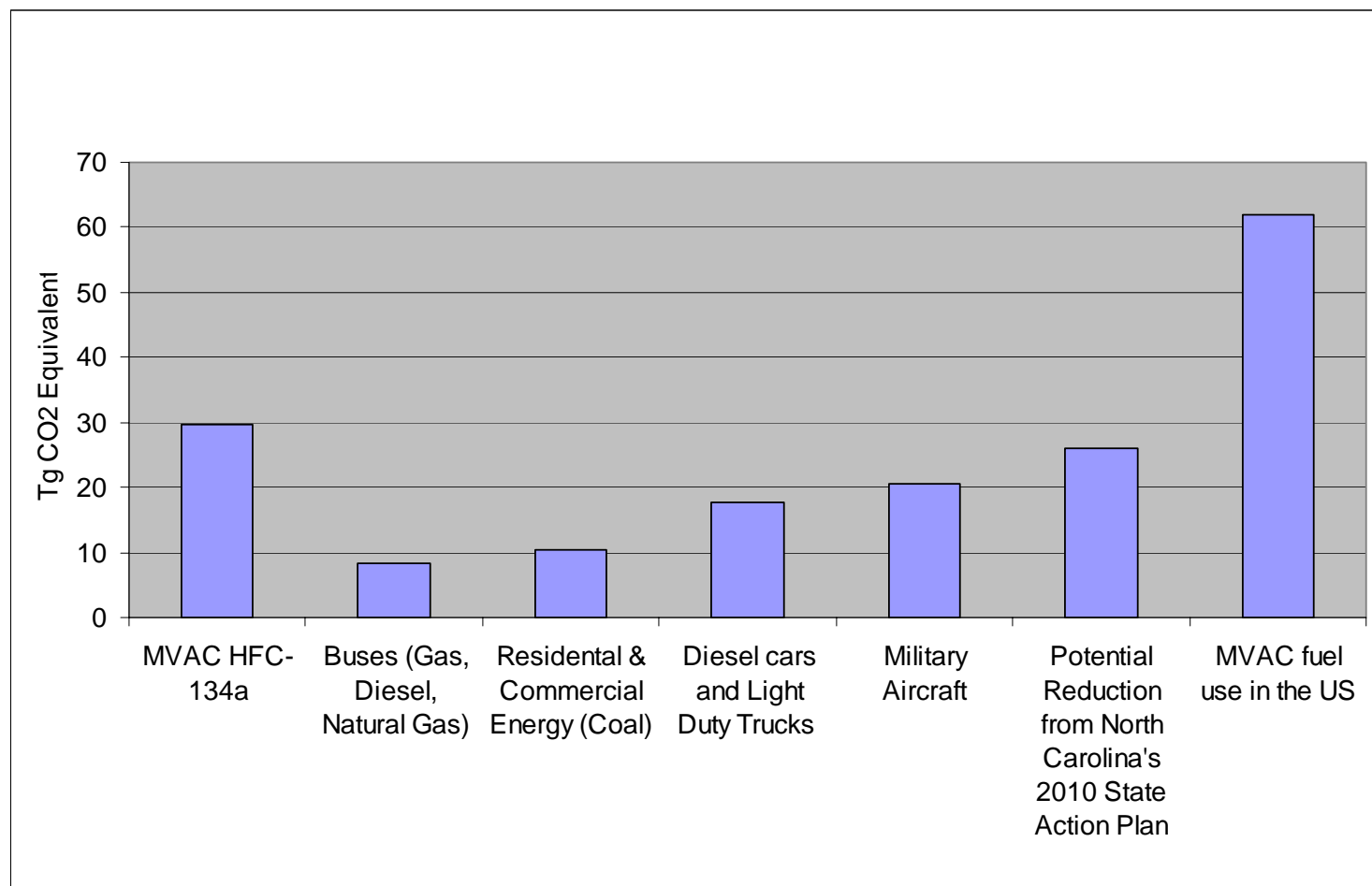
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US Environmental Protection Agency

SAE Automotive Alternate Refrigerant
Systems Symposium

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Comparison of US MVAC HFC-134a GHG Emissions Versus Other Sources



Partnership Agreement



- Concerned with unnecessary emissions and proper use of HFC-134a during professional and do-it-yourself (DIY) servicing of MACs...
- Mindful that voluntary emission reductions may protect small can jobs and enterprises and allow continued economical MAC service...
- It is agreed to cooperate on data collection and analyses, manuals of best practice, and public-access websites.

Industry-Government Agreement: Data Collection



- Collect, Update, and Analyze MAC Service Use and Emissions Data
- Estimate Technician and DIY Small Can Use
- Validate Residual HFC Heels From All Containers
- Publish Database of Service Emissions

Industry-Government Agreement: Consensus Publications



- Educational, Training, and Instruction Materials
 - MAC Operation and Service to Protect the Environment
- Best-Practice Manuals for Supply-Chain and Life-Cycle HFC-134a Emission Reduction
- Public-Access Web Site
 - Environmental and Technical Service Information
 - Vehicle-Specific AC Service Specifications

Possible Future Activities



- Review of tools used in system diagnoses, leak detection, and refrigerant charging
- Government or industry stamp of approval for products that reduce refrigerant emissions
- Options to avoid over- and under-charging
- Study DIY technical proficiency, safety practices, and procedures to minimize emissions

HFC-134a Small Can Partnership Team



- U.S. EPA
- California ARB
- Cap and Seal Company
- EF Products
- Interdynamics
- Sexton
- Technical Chemical
- Weitron
- Ashland
- Atofina
- DuPont
- Honeywell
- Ineos Fluor
- National Refrigerants

Small Can Partnership Invites Additional Stakeholders



- HFC-134a chemical manufacturers
- Component manufacturers
- Fillers
- Manufacturers of small can accessories and tools
- Distributors and retailers
- Affiliated industry associations

More Information



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