WELCOME!

Delivering Essential City Services and Sustainability without Sacrificing Budget

League of California Cities
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Importance of Diesel Technology to Deliver City Services & Sustainability Goals

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The Diesel Technology Forum is supported by leaders in advanced diesel engines, vehicles, equipment, components and fuels.

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• MTU America
• Neste
• Umicore
• Volvo Group
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Allied Members
• National Biodiesel Board
• Western States Petroleum Association
Diesel Technology Moves Cities & Provides Essential City Services

Cities Depend on Diesel for Mission Critical Services

Diesel is an essential partner powering vital emergency services 24 hours a day, 365 days a year. Count on proven technologies like diesel power to get the job done, no matter the conditions or circumstances.

Diesel engines are the gold standard for backing up grid electrical power due to their reliability, response time and load carrying capability. Essential city services like drinking water treatment, wastewater systems, and telecommunications are key to ensuring public health and safety.

Mission Critical Services Depend on Diesel Power

Diesel Technology Delivers Essential City Services

Maintaining, repairing, or backing up vital city services is a never-ending cycle. From construction, recovery and emergency management, and public health, diesel engines and equipment ensure that cities can respond and recover with the power they need when they need it.
California’s Trucks and Buses in California Are Mostly Diesel

Technology Types Powering Class 3-8 Vehicles in California (2019)
- **Diesel**: 70%
- **Electric**: 0%
- **CNG**: 27%
- **Not Defined**: 2%

Technology Types Powering Transit Buses in California (2019)
- **Diesel**: 69%
- **Electric**: 1%
- **CNG**: 23%
- **Not Defined**: 5%

Technology Types Powering Class 8 Trucks in California (2019)
- **Diesel**: 95%
- **Electric**: 1%
- **CNG**: 4%
- **GAS**: 0%

Technology Types Powering School Buses in California (2019)
- **Diesel**: 71%
- **Electric**: 8%
- **CNG**: 13%
- **GAS**: 8%

Diesel is a Platform for Continual Improvement

Trucks, Trains, Construction and Agricultural Equipment are on the Near-Zero Emissions Diesel Path
Diesel Trucks Are Part of California’s Sustainable Future

Between 2010 and 2030, diesel trucks will save California 9 billion gallons of fuel and eliminate 92 million tons of CO2.

What does that work out to?

Eliminating the emissions from 92 million cars, or making them EVs

Electricity use from 16 million homes

But Wait, There’s More. Advance Biofuels Add Significant Benefits at Low Cost

Of all the fuel types and technologies, biodiesel and renewable diesel are contributing the greatest CO2 reductions in California... and it takes a diesel engine to realize the benefits

**CO2 Reduced (2011-2018)**

- Renewable Diesel and Biodiesel = 18.9 million tons
- Ethanol = 18.8 million tons
- Battery-Electric = 2.5 million tons

* SOURCE: California Energy Commission, Low Carbon Fuel Standard Dashboard*
Summing it All Up

Diesel is a leading technology choice today for fleets.

Diesel Technology is clean and getting much more efficient.

The latest engine designs coupled with advanced biofuels will deliver substantial sustainability benefits at low cost.

THANK YOU

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