The Future of Home Heating
The Industry

• Stationary Liquid Fuels Industry
• We are:
  • ~6,000 dealers nationwide
  • ~8 million homes/Principally in Northeast
  • ~7,000,000,000 gallons of fuel annually
• National Organization Established by Congress in 2000
• A Check-off Program
• Responsible for Consumer Education, Research and Development and Education and Training
Aggressively move forward

Fleet replacement by 2030 of all furnaces and boilers from 70% to 96% efficiency applying ULS fuel and new condensing technology

Solar thermal hot water heating
Impact

B2 first generation biodiesel

B5 first generation biodiesel

B10 first generation biodiesel

B15 first generation biodiesel

Second generation biodiesel impact
Which Fuel for the Future

Advanced Liquid Fuel
ULS equal to NG in PM 2.5 emissions
B10 equal to NG in CO₂e emissions
High heating efficiency
Lowest oil for oil replacement cost
Ideal for high bio fraction future
Best for existing oil customer value

Clean Natural Gas Fuel
PM 2.5 emissions same as ULS
CO₂e emissions same as B10
High heating efficiency
Costly replacement for oil system
Shale gas vs FRAC Act?
Best for existing gas customer value
Infrastructure Issues

Solid Fuel/Wood or Pellets
Bad PM 2.5 emissions
Questionable CO₂ benefits
Lowest heating efficiency
High capital cost
Large Space requirement
Lifestyle changes required

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PADD 1 Middle Distillate Demand

Source: EIA
Governing Organizations

ASTM

Underwriters Laboratory

Local Building Codes
Conclusion

Questions