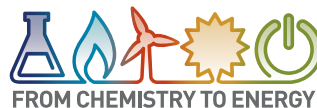


ENERGY EFFICIENCY



Chemistry is creating energy solutions for a strong, secure and sustainable future.

Chemistry is creating technologies that empower Americans to increase energy efficiency, making our nation's energy supplies go further while lowering energy costs for business and families.

Nearly every energy efficient technology is dependent on innovations in chemistry – from lithium-ion batteries that power our laptops and mobile phones and will drive the next generation of electric cars, to building insulation and strong yet lightweight plastic packaging that allows more products to be shipped with less weight.

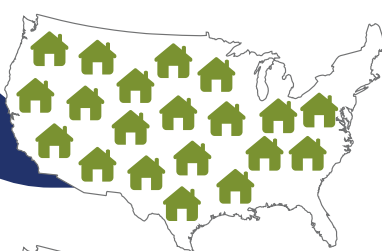
Chemistry enables significant energy savings:

8.0-10.9 quadrillion BTUs

SAVE...



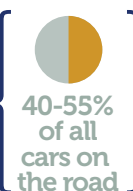
saving up to...
\$85 billion a year



equal to...
41-56 million homes



equal to...
98-135 million cars



POLICY PRIORITIES

- ✓ Federal policymakers must enact legislation to improve energy efficiency in the residential, commercial and industrial sectors
- ✓ States must adopt updated energy efficiency building codes
- ✓ States must support more combined heat and power (CHP) at industrial facilities



HOMES & BUILDINGS

• Plastic products like roofing, insulation, wall coverings and windows saved 467.2 trillion BTUs of energy, enough to power 4.6 million homes.



CARS

• Light-weighting in vehicles reduces gasoline consumption by 21%



FACTORIES

• High-efficiency combined heat and power could provide 20% of U.S. generating capacity by 2030.