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

Chemistry enables significant energy savings:

8.0-10.9 quadrillion BTUs

SAVE...

equal to...

41-56 million homes

equal to...

98-135 million cars

Industrial energy efficiency, including CHP, can help keep electricity reliable & affordable

The chemical industry is a leader in the use of combined heat and power (CHP), also known as cogeneration, which provides electric power and heat from a single fuel source. Because energy is generated close to where it’s needed, little is lost in transmission. CHP facilities are often twice as efficient as older coal-burning utilities. Increased use of CHP and other forms “distributed generation” could ease a major transition in the power sector as many coal-fired plants are retired.

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
✓ Policies and regulations must recognize and support the potential of technologies such as CHP

The chemistry industry has achieved significant energy efficiency gains

38% Energy efficiency improvement in the U.S. chemical industry since 1974
19% Energy efficiency improvement by Responsible Care® companies since 1992

Energy efficiency helps chemical companies reduce operating costs and remain competitive