Olin | SUSTAINABILITY
STRONG ROOTS. STRONG FUTURE.

PRODUCTIVITY IMPROVEMENTS REDUCE ENERGY CONSUMPTION AND EMISSIONS

This sustainability story is one of many that shows how Olin products, technologies, ideas, and people are having a positive impact on our world.

SUSTAINABILITY **CHALLENGE**

- Natural gas is burned at many Olin manufacturing facilities to incinerate waste and generate steam.
- At our Phenol/Acetone plant in Freeport, Texas, natural gas is provided by a third party and is the plant's highest cost utility.

OLIN'S **SOLUTION**

- The plant identified several productivity projects to minimize natural gas usage throughout the facility.
- Improvements were put in place to consume additional Chlor-Alkali hydrogen at the boiler unit to minimize the need for natural gas.
- Other natural gas reduction projects were implemented at the catalytic oxidation unit and flare.

POSITIVE **IMPACT**

- Natural gas consumption was reduced primarily through control system improvements and minor changes to instrumentation.
- These productivity projects reduced plant natural gas consumption by about 564 billion British Thermal Units (BTU is a unit of heat; it is defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit) annually, a 33% saving.
- Natural gas savings resulted in a 42,000 MT reduction in annual CO_2 emissions.

DID YOU KNOW?

564 billion BTUs of energy saved would power 7,315 average U.S. homes for one year.

*We invite you to follow our Sustainability Journey on **www.Olin.com***