CF Industries’ commitment to a clean energy economy

**Green hydrogen and ammonia have emerged as leading candidates to help the world achieve net-zero carbon emissions by 2050**
- Ammonia is one of the most efficient ways to transport and store hydrogen and is also a fuel in its own right
- Industry experts project hydrogen will meet approximately 20% of the world’s energy need by 2050, up from less than 1% today.

**Extensive ammonia network with global reach**

**CF is uniquely positioned to fulfill anticipated demand for hydrogen and ammonia from green and low-carbon sources**
- World’s largest producer of ammonia
- Unparalleled manufacturing and distribution network
- Technical expertise

**Clear pathways to growth in clean energy:**
- **Green ammonia**: ammonia produced through a carbon-free process
- **Low-carbon**: ammonia produced by conventional processes but with CO2 removed through carbon capture and sequestration (CCS) and other certified carbon abatement projects

**CF Industries is taking significant steps to support a global hydrogen and clean fuel economy**
- CF industries has committed to initial investments into the production of green and low-carbon ammonia
- In line with our commitment to clean energy, CF is targeting net zero carbon emissions by 2050, with a 25% reduction by 2030

**Demand for low-carbon hydrogen already exists across sectors**
- Aviation and maritime transport
- Utility power generation
- Passenger vehicles
- Long-haul trucking