

## Hydrogen is versatile!

It can be used for: industry, to decarbonize industrial processes; mobility, as a fuel in hydrogen fuel cell electric vehicles; as backup power, to provide resiliency by managing demand on an already stressed electric grid; and to provide storage for intermittent power sources such as wind and solar.

### Hydrogen Production

	H <sub>2</sub> PRODUCTION PLANTS	ELECTROLYZERS	PIPELINE (miles)	SALES (USD)
Air Liquide Group	53	40	1,150	\$2.5B
Air Liquide U.S.	19	1	360	+ \$500M <sup>1</sup>

### Hydrogen Mobility Applications

	H <sub>2</sub> REFUELING STATIONS	H <sub>2</sub> FORKLIFTS	H <sub>2</sub> BUSES	H <sub>2</sub> PRODUCTION (m <sup>3</sup> )
Air Liquide Group	>120	270	550	14B
Air Liquide U.S.	10	40	280	~5B

## North Las Vegas, Nevada

- **\$250M investment** in the construction of a liquid hydrogen production plant and distribution infrastructure.
- To provide enough fuel to keep **more than 40,000 hydrogen fuel cell electric vehicles** on the road.
- Construction began in early 2020.
- Operations and deliveries started in April 2022.



North Las Vegas, NV

### Did you know?

There are 40,000+ global HFCEVs on the road



## OUR REGIONAL HYDROGEN EXPERTISE

### Gulf Coast

- A world-leading hydrogen production basin
- Air Liquide leverages **the largest industrial pipeline in the world**
- Air Liquide operates the **world's largest hydrogen storage cavern**
  - Capable of storing **100s of GWh of energy**
  - Cost effective large-scale grid storage option

#### H<sub>2</sub> Cavern

**4.5B ft<sup>3</sup>**  
of storage

### West Coast

- Focused on market maturity for clean mobility
- **\$250 million** investment in North Las Vegas
- Air Liquide operates **14 liquid hydrogen trailers** dedicated to H<sub>2</sub> mobility

#### Trailers



**14 hydrogen trailers**  
dedicated to the H<sub>2</sub> market

#### Heavy Duty Applications



Port of Long Beach

### Northeast

- In Becancour, Air Liquide operates **the largest PEM-electrolyzer** currently in operation
- Produces over **eight metric tons per day** of renewable hydrogen
- Emissions of nearly **27,000 tons of CO<sub>2</sub> per year** will be avoided
- Participant in NY Power Authority power demonstration project



#### Becancour Electrolyzer

**20 megawatts** capacity for the production of **8.2 tons/day** of carbon-free H<sub>2</sub>.

**Total Air Liquide U.S. Hydrogen Investment**

**\$1.1B** (\$USD)