

**DOCKETED**

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# Plug Power

## CEC IEPR Workshop

June 21, 2022

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## Green Hydrogen at Work™

The most operational experience in emerging hydrogen markets

**500M+**

Fuel cell hours

**40M**

Electrolyzer hours

**15+ years**

PEM integration experience

**99%+**

Hydrogen availability

**165+**

Private fueling stations

**35+ tons**

Hydrogen dispensed daily

Largest PEM supply chain volume (common to fuel cells and electrolyzers)

- Most PEM fuel cell sales in the world
- Largest membrane electrode assembly manufacturer in the N. America
- Building GW scale manufacturing center in New York state

Plug Power Innovation of PEM Systems

- Leading energy density vs competition
- Fast ramp rates
- Performance advantaged stack technology

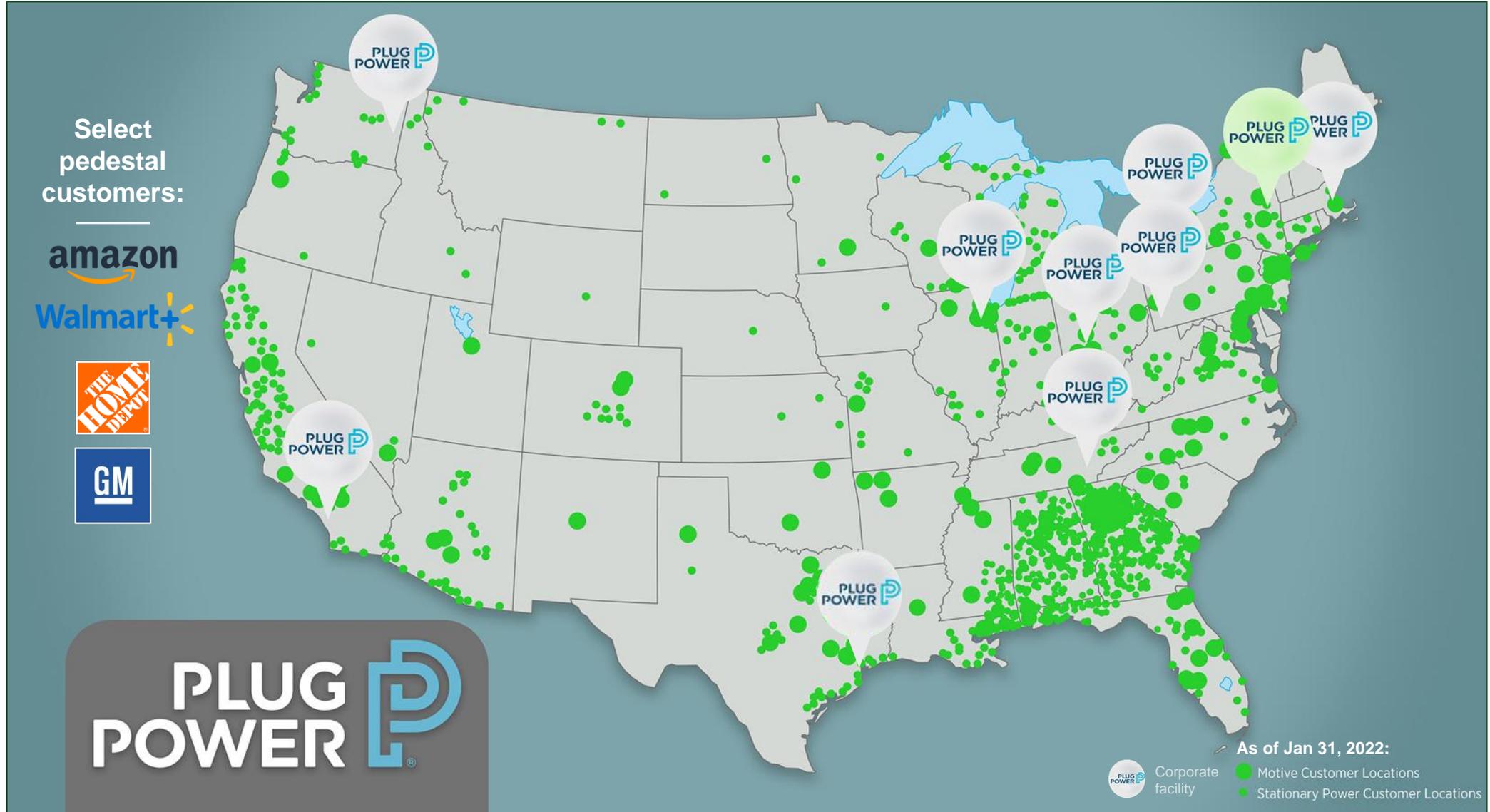
Comprehensive product offerings and support

- Hydrogen liquefaction and transportation technology
- Engineering support for broad end-use applications

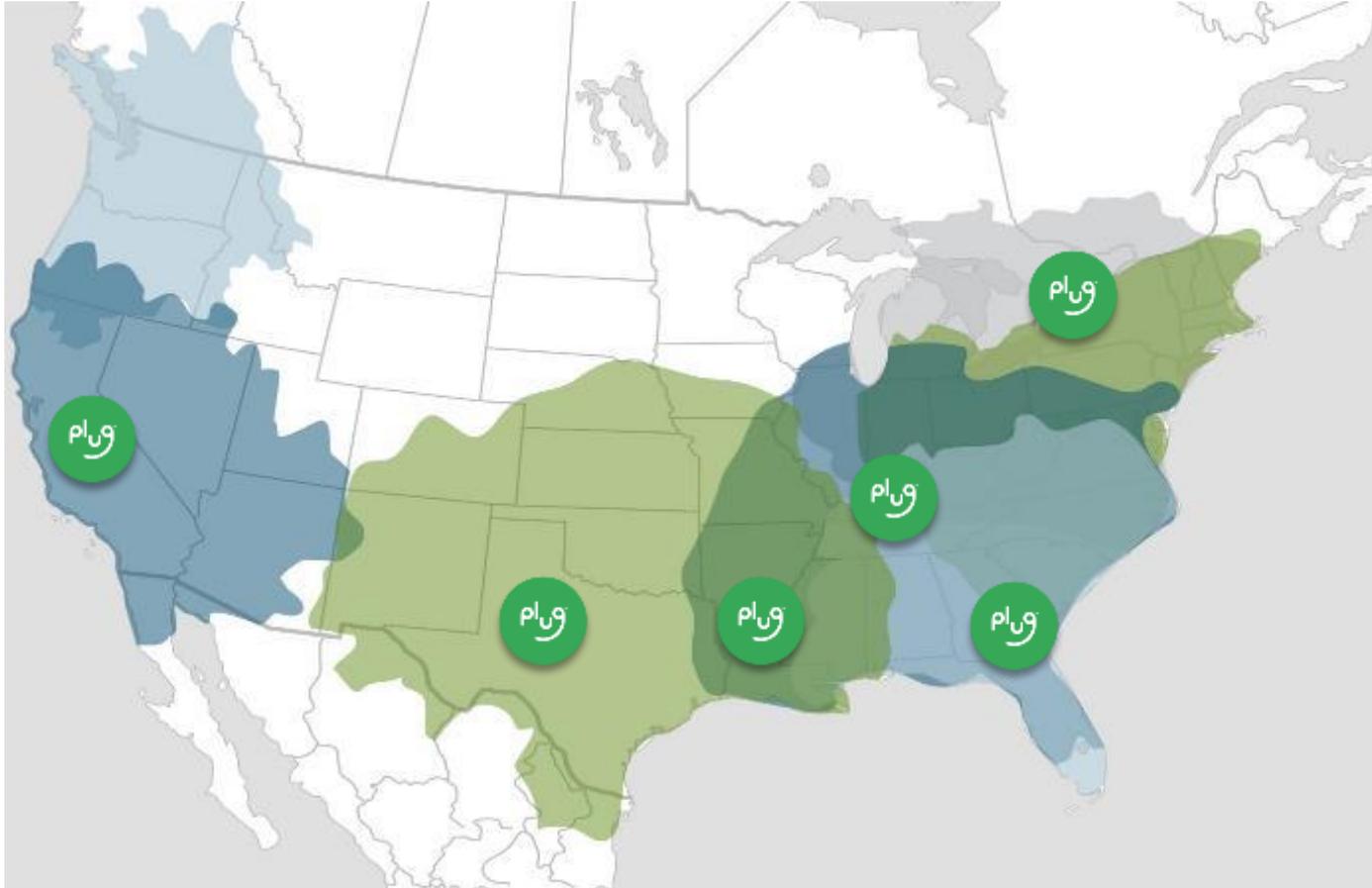
Source: Plug internal analysis (2022)



# Plug Power's National Footprint of Customer Sites

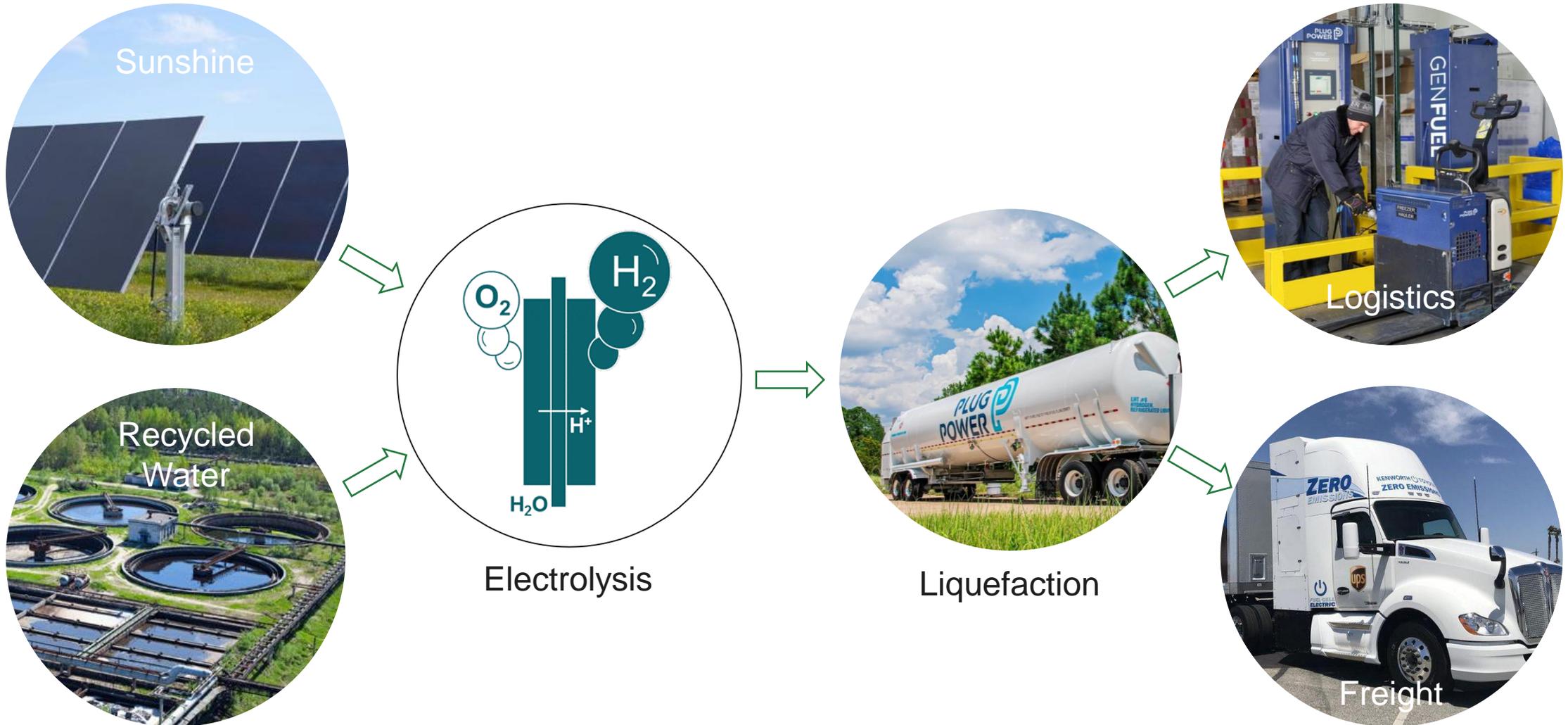


# North America Green Hydrogen Plant Timeline

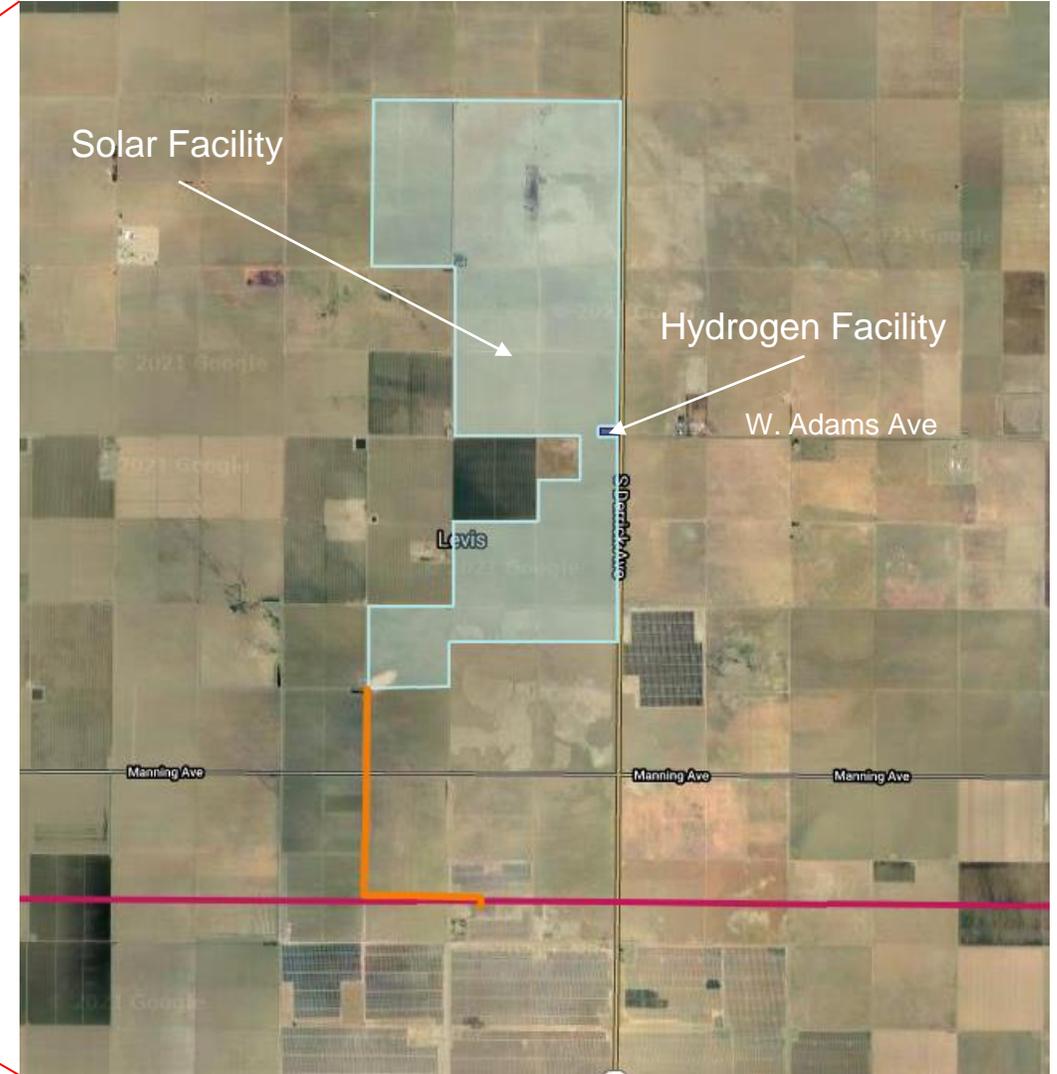
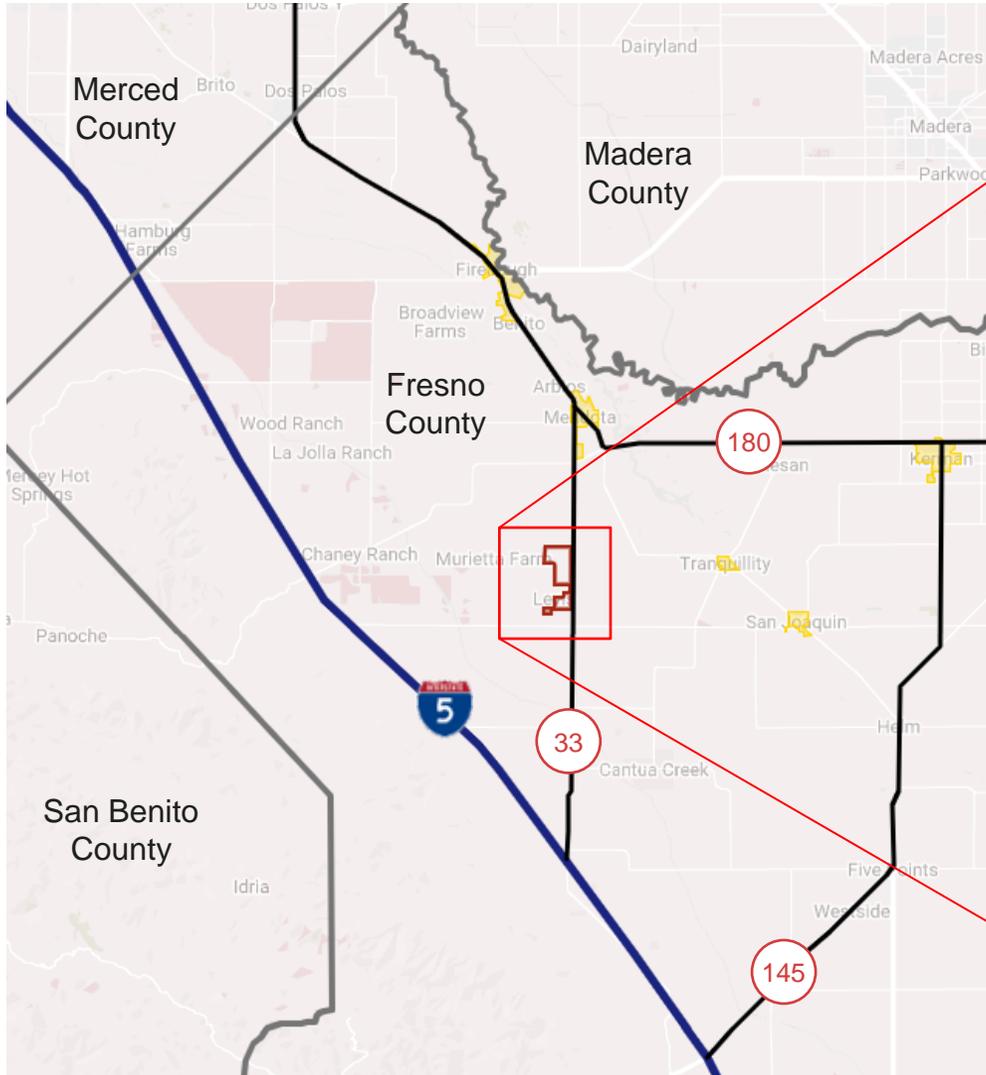


- Green hydrogen generation of 500-tons per day by 2025
- Announced green hydrogen plant locations at California, Georgia, Louisiana, New York and Texas
- Broke ground on two plants in 2021, 70 TPD
- More than six plants by year-end 2023
- Thirteen plants by year-end 2025

# Hydrogen Farm: Sunshine + Water = Clean Fuel



# Project Location – Fresno County





- Statistics
  - 30,000 kg/day liquid hydrogen
  - 120MW of PEM electrolyzers
  - California's first new hydrogen liquefaction plant in 36 years
  - 2000-acres of priority lease conflict land
  - 300MW solar farm
  - 30-acre Hydrogen production plant
  - 500,000 gallons (134T) LH<sub>2</sub> storage
  - 100% green (annualized energy basis)
    - Including liquefaction and transport
  - Open for business late 2024
  
- Water use
  - 120,000 gallons-per-day of recycled water
  - Project is funding new 1.2M GPD tertiary water treatment plant for City of Mendota
    - City owns the plant
    - We pay full commercial rate for water
    - City gets balance of the water for its own programs
  - Dry cooling only
  - Zero offsite waste discharge



Green Hydrogen at Work™