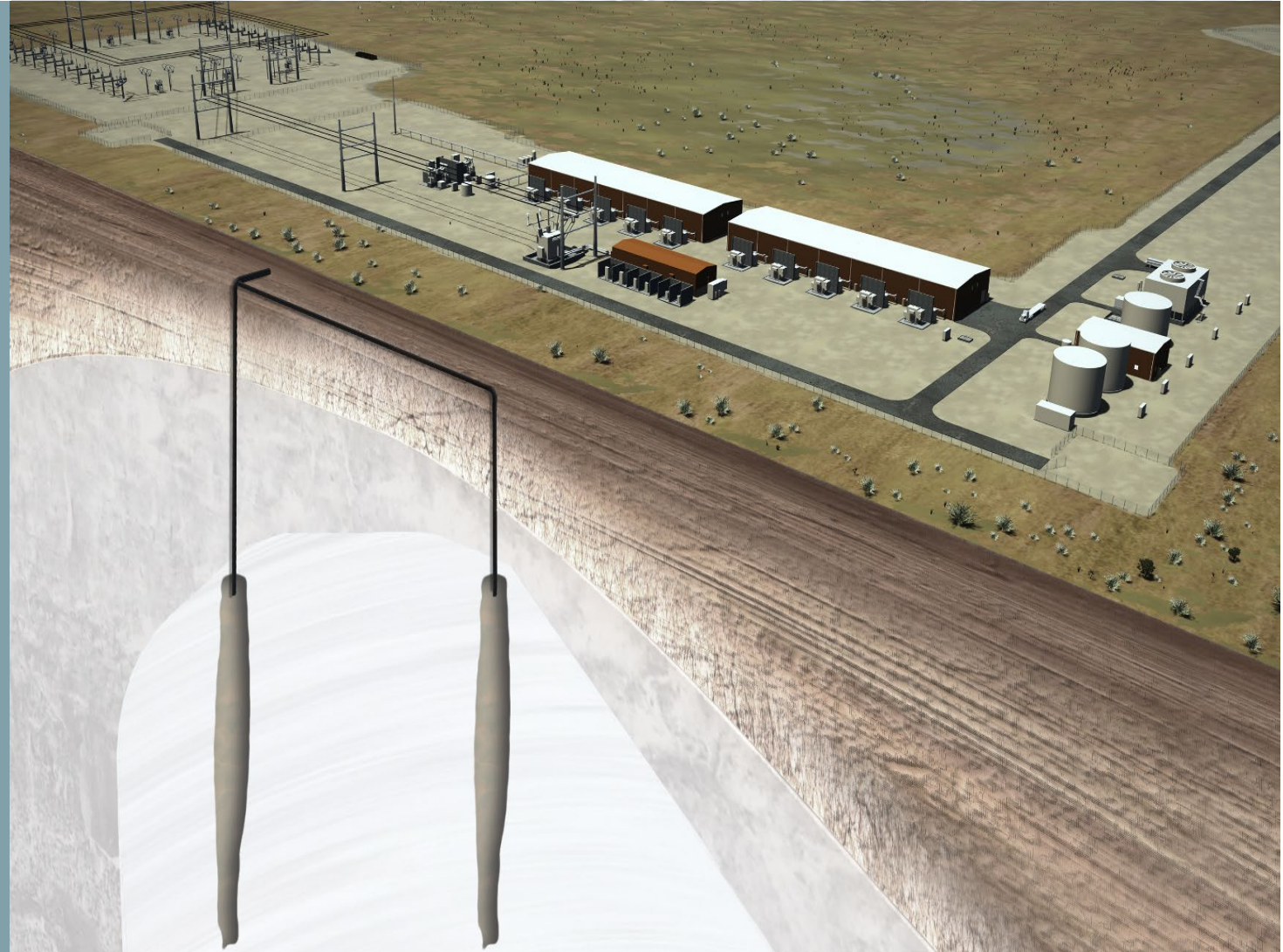


Building the World's 1st Clean Hydrogen Hub – ACES Delta

Michael Ducker
SVP, Head of Hydrogen Infrastructure
Mitsubishi Power



- Launched in 2019 through joint venture between Mitsubishi Power and Magnum Development initially targeted as the World's Largest Renewable Energy Storage project dubbed "ACES" (Advanced Clean Energy Storage)
- Focus has shifted to building nation's first at scale industrial clean hydrogen hub, with anchor offtake secured by the Intermountain Power Agency
- Phase 1 project for 220 MW / 100 TPD of green H₂ production and 300 GWh / 11,000 tonnes working gas H₂ storage
- Represents world's largest single storage site for any type of hydrogen and largest renewable H₂ project under construction as of June 2022

Hub Structure

- MPW provide in-kind/seconded resources focused on:
 - Development
 - Engineering / Procurement
 - Commercial / Origination
- Magnum provide in-kind/seconded resources
 - Underground storage expertise
 - Permitting
 - Commercial / Local relationships
- Officers comprised from both companies

ACES DELTA



EXCLUSIVE RIGHTS TO DELTA SALT DOME

- Only known “Gulf Coast” style domal-quality salt in the west capable of large caverns
- Large-scale storage necessary for the west coast to decarbonize via green hydrogen

SITE CENTRALLY LOCATED TO WECC

- California through HVDC Transmission Line
- Major WECC Utilities through AC Tie
- TransWest Express Transmission Line will tie site into WY & NV

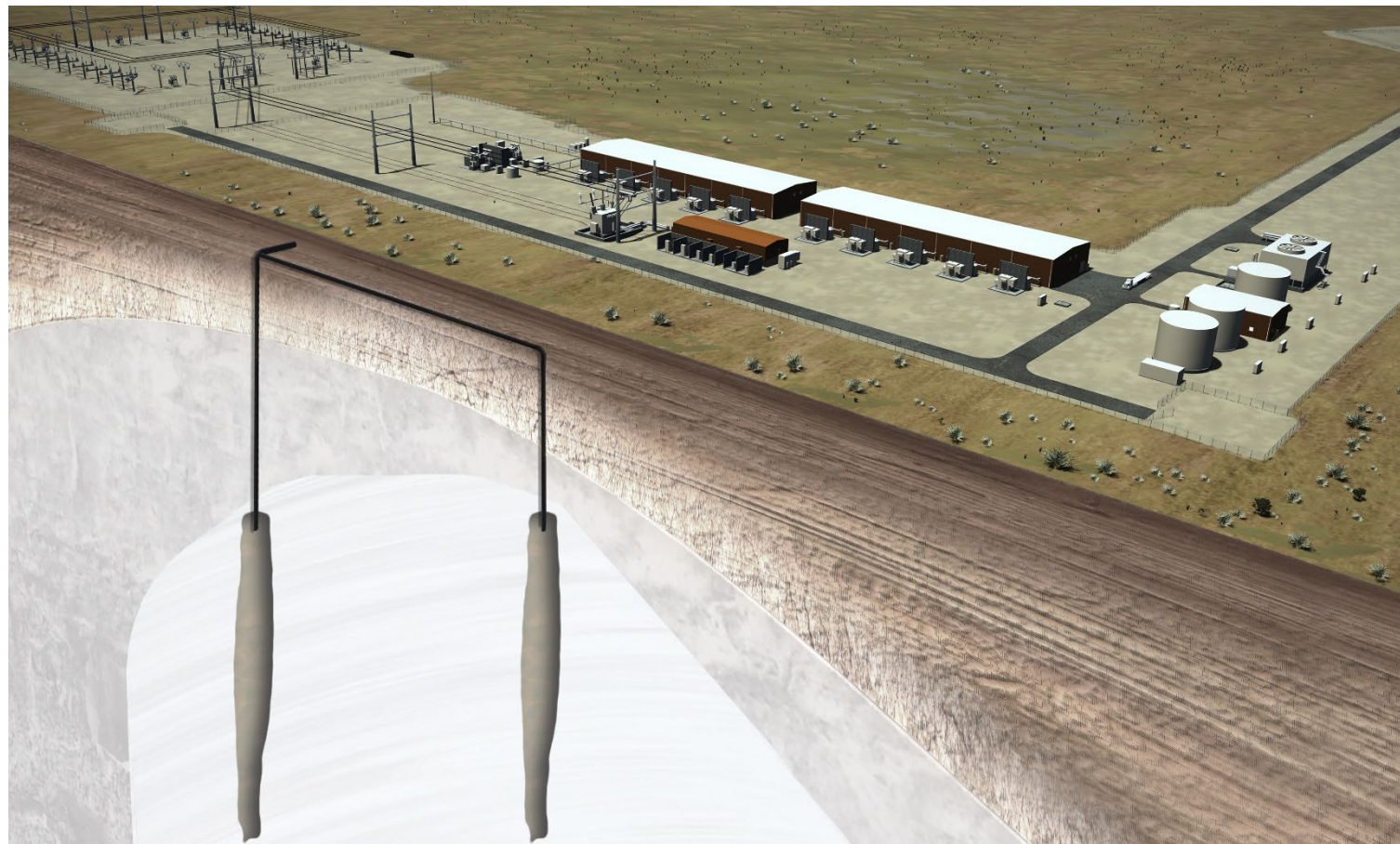
SIGNIFICANT SITE ADVANTAGES

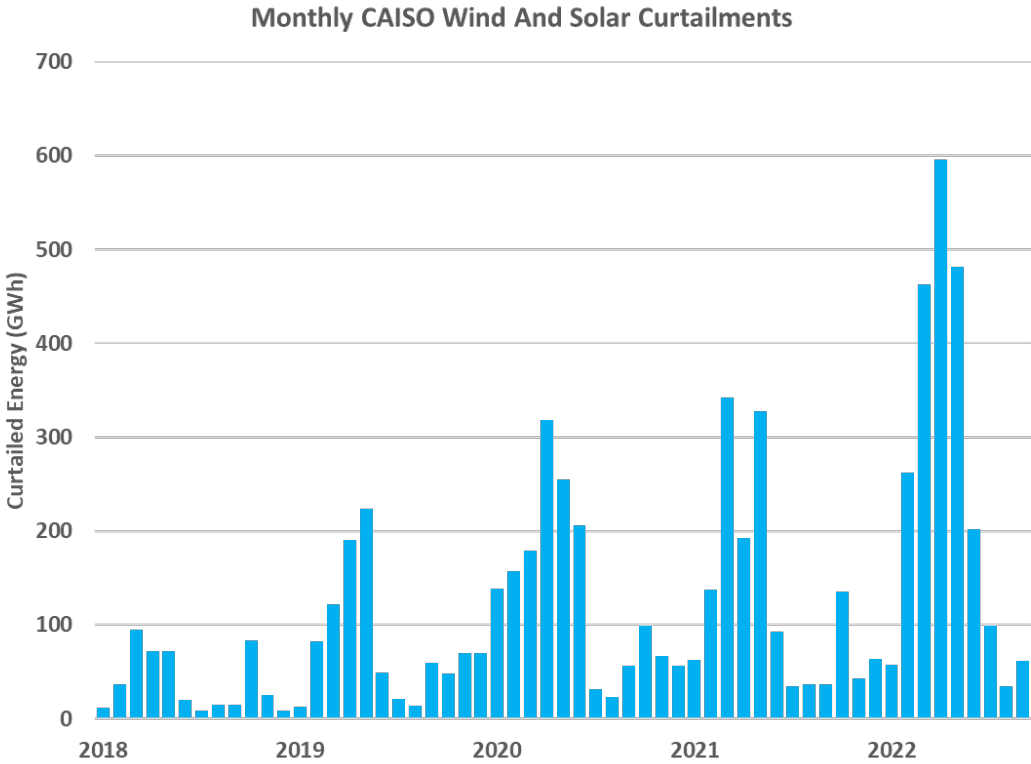
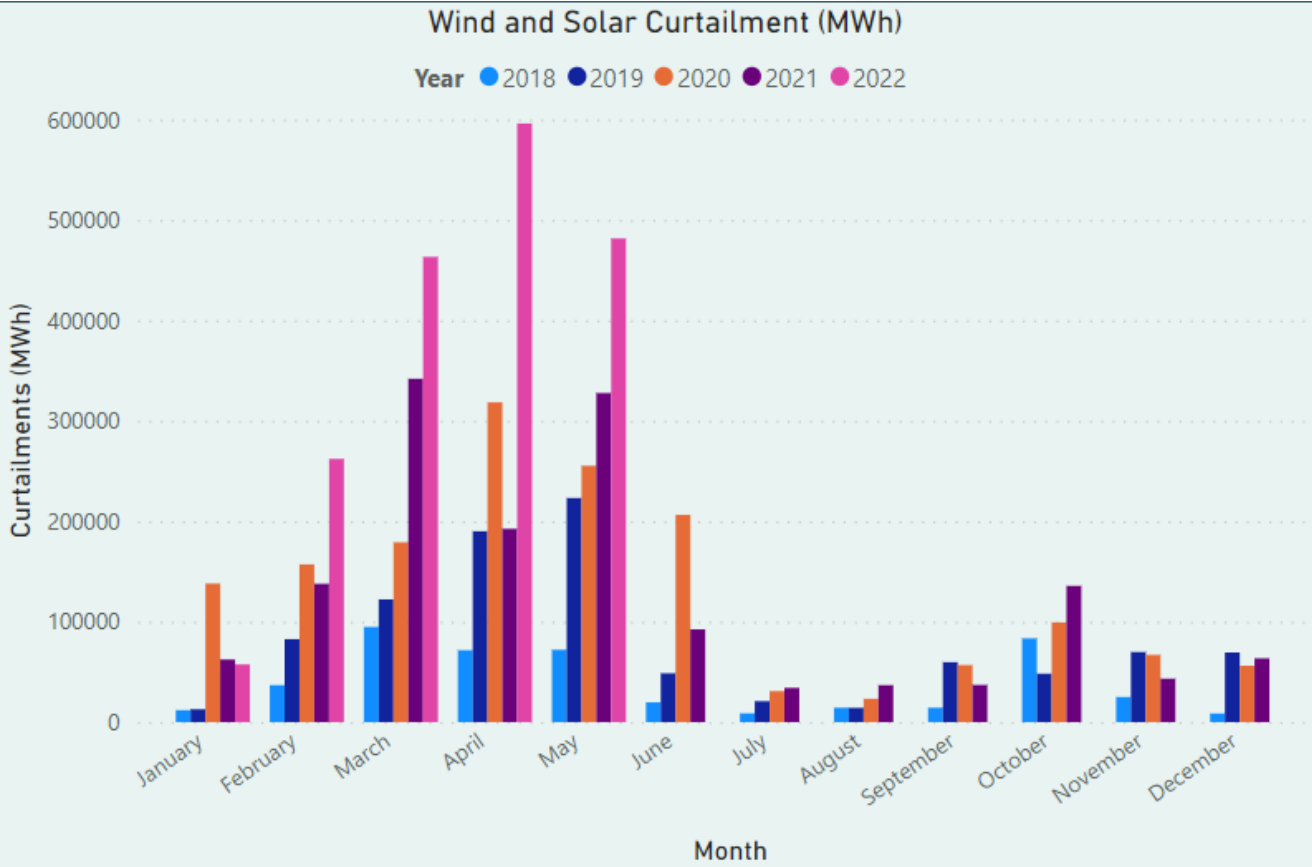
- Rail and highway access
- Significant acreage to support expansions, renewable development, and new industrial growth
- Local permitting expertise and local/state government support



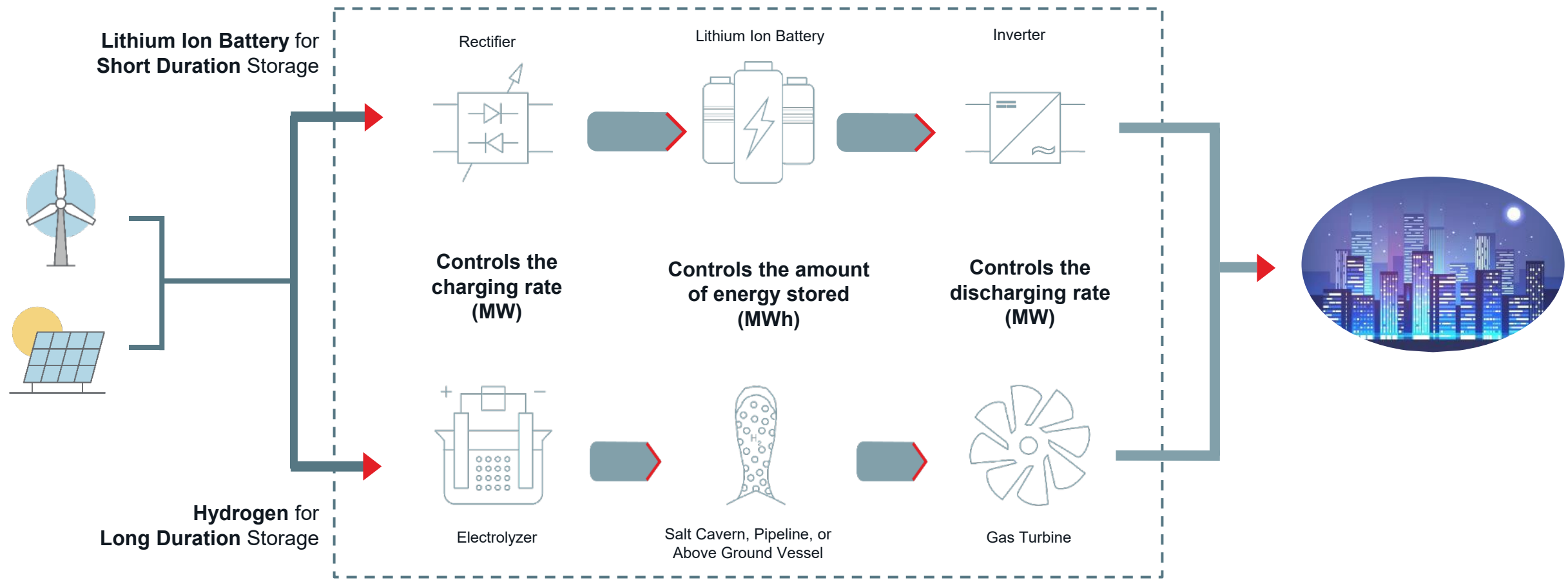
- | | |
|-----------------------------------|-----------------------|
| — DC Line | — U.S. Major Highways |
| — High Voltage Transmission Lines | — U.S. Railroads |

Advanced Clean Energy Storage Hydrogen Hub Phase 1 Project Details



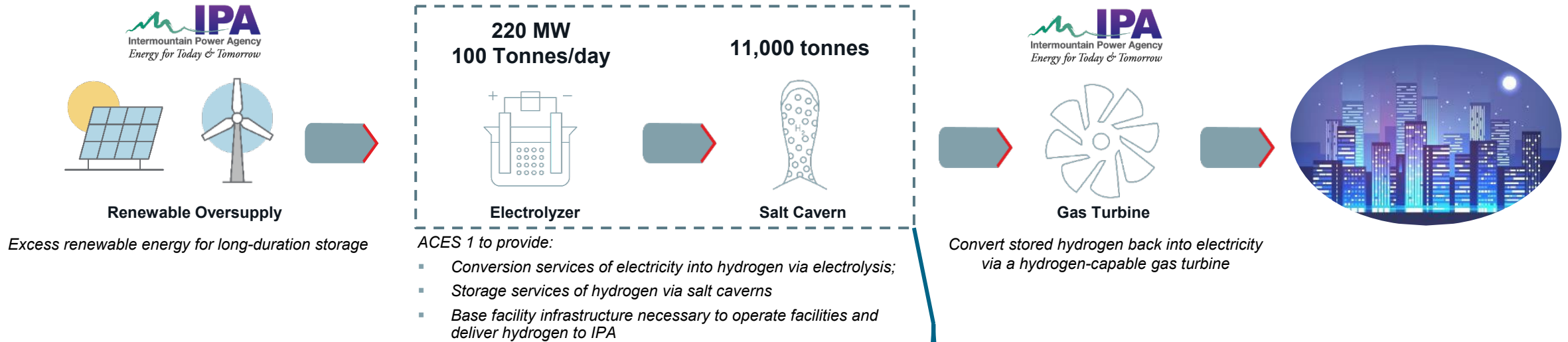


Record curtailments and seasonality of curtailments continue to grow without more energy storage



Hydrogen and batteries will work together to reliably and cost effectively balance a renewable-heavy grid

ACES DELTA



Conversion Services

- Electrolysis / Gas Separators
- MV Transformers / Rectifiers
- Distributed Control System
- Install / Associated Indirects

Storage Services

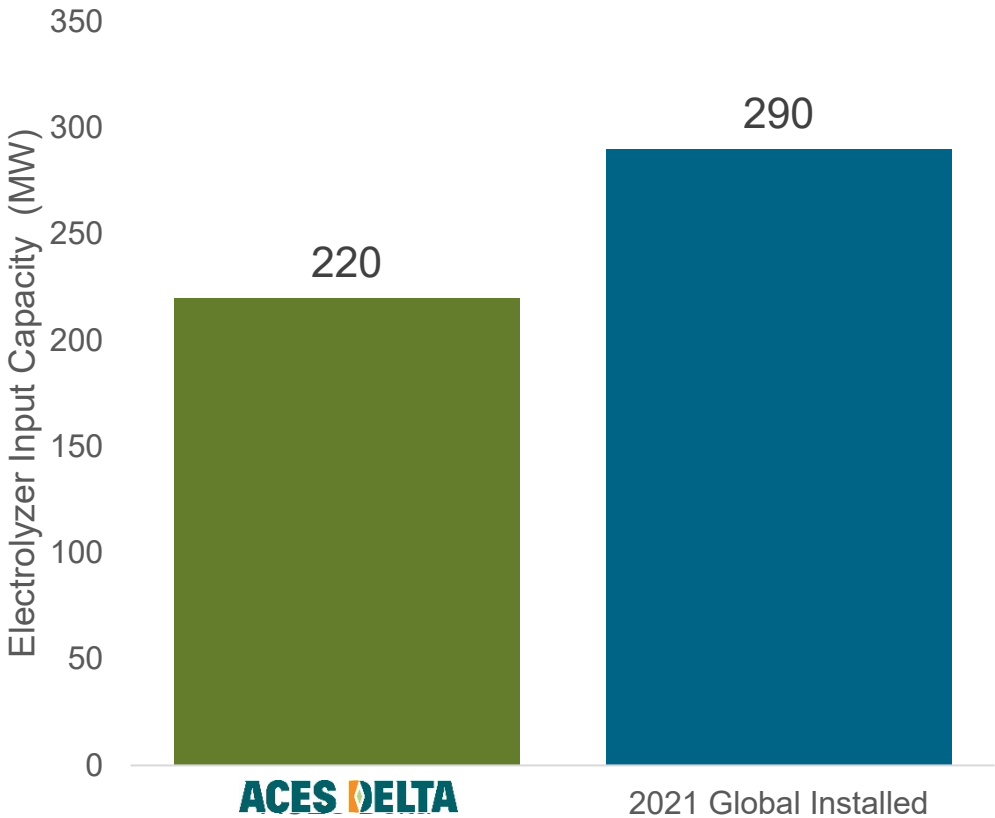
- Caverns / Wellheads
- Brine Ponds / Leaching Systems
- H₂ Compressors and Pipelines
- Install / Associated Indirects

Base Facility Infrastructure

- HV Switchyard
- BOP (Cooling / Demin / Emergency Systems)
- Buildings / Roads / Foundations
- Install / Associated Indirects

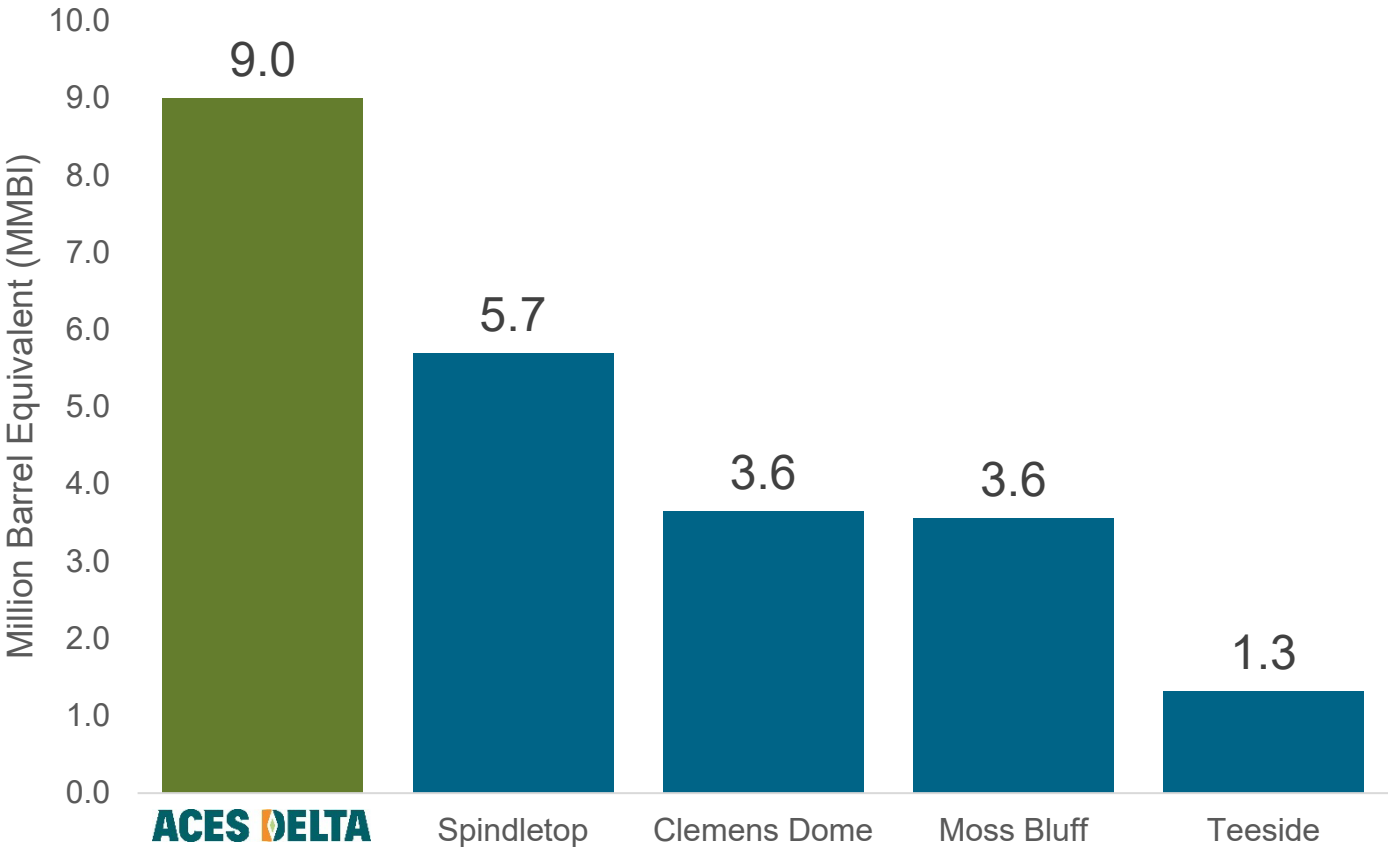
“FIRST OF A KIND MARKET APPLICATION” FOR LONG-DURATION ENERGY STORAGE

Electrolyzer Global Installed Capacity¹



¹<https://www.iea.org/reports/electrolysers>

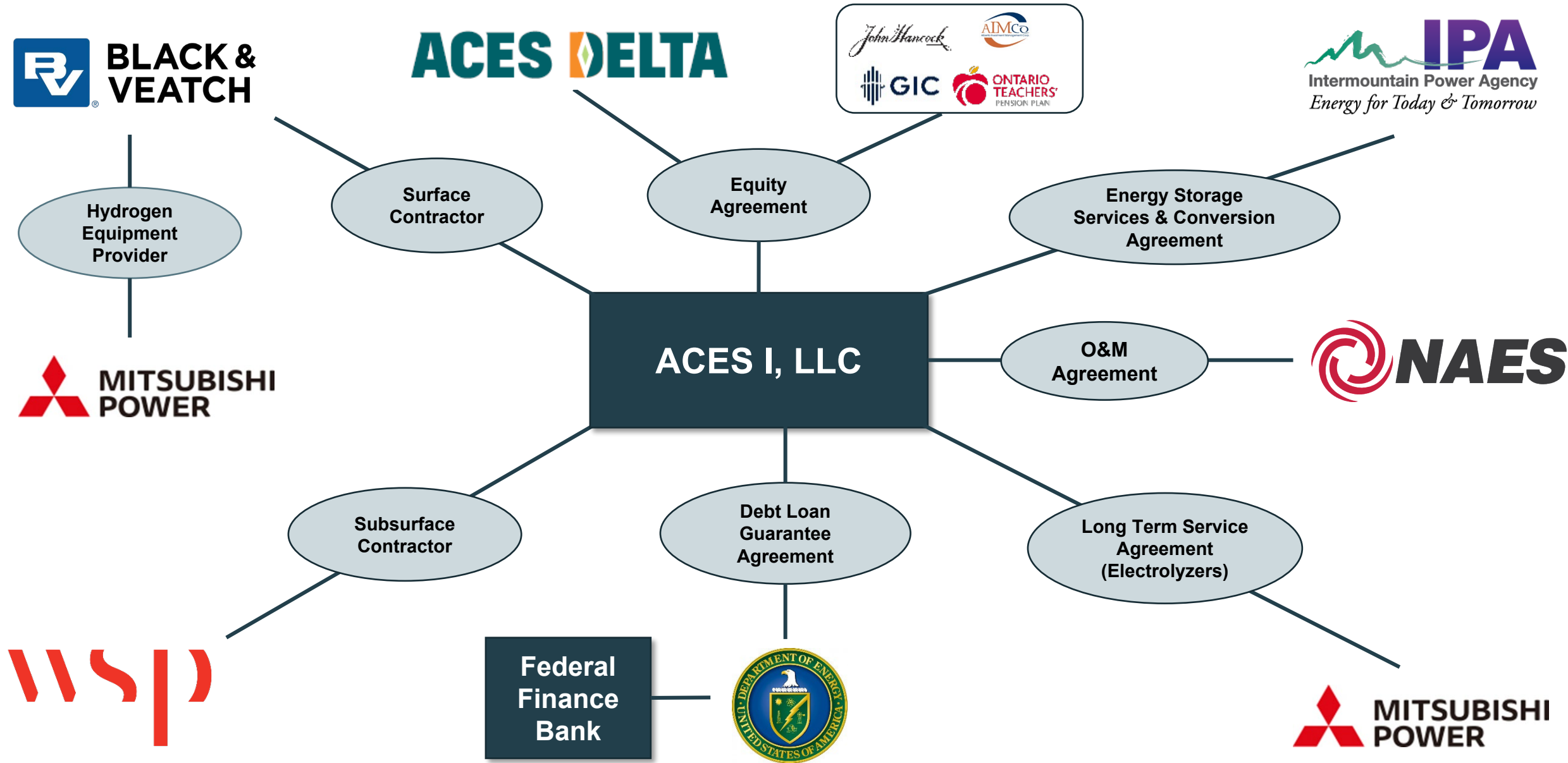
Estimated Global Hydrogen Storage Volumes²



²IEA Global Hydrogen Review 2021

Nearly doubling worldwide installed electrolyzer capacity & the world’s largest single storage site of H₂

Unprecedented Collaboration Across Parties



ACES Delta Progress Since June 3rd, 2022 Financial Close



Drilling Rig Mobilization



Drilling Rig Mobilized –
Drilling started



Drilling Complete –
Solution Mining Started



“Empire State Building” sized cavern below ground... 10-feet tall wellhead above ground

ACES Delta Progress Since June 3rd, 2022 Financial Close



Thank You