



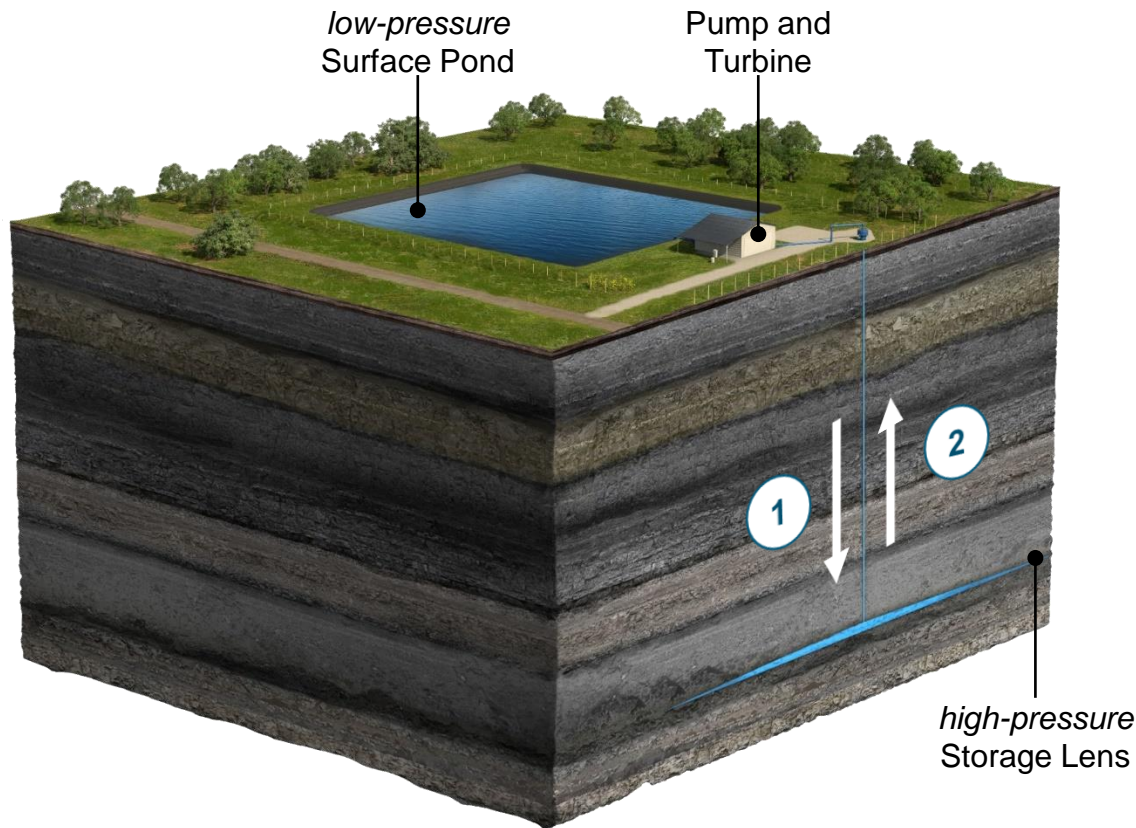
Powering the Carbon-Free Electric Future

Modular Geomechanical Pumped Storage

Joe Zhou, CEO | Quidnet Energy

low-cost, long-duration geomechanical pumped storage

Quidnet stores energy as high-pressure water underground



Modular, long-duration storage

1-10 MW per well, 10+ hours

Structural cost position

<50% capex of battery & pumped hydro, <\$10 per marginal kWh

Broad geological footprint

100+ TWh across multiple US basins

Mature execution supply chain

- 1 Charge.** Water pumped down the well into high-pressure storage lens
- 2 Discharge.** High-pressure water flows up the well to drive a turbine

A purpose-built leadership team with expertise across power, geomechanics, and capital projects



Joe Zhou, CEO

BD Director at Green Charge (acquired by Engie), ExxonMobil, McKinsey, HBS MBA



Bunker Hill, VP Engineering

Directed engineering and development over 23+ years for Schlumberger's entire Completions portfolio



Dan Goldman, Project Finance & Development Expert,

Founding Partner CEV & New Energy Capital; VP InterGen; President/CFO GreatPoint Energy



Howard Schmidt, CTO / Inventor

Saudi Aramco advanced subsurface intervention, Advanced Energy Consortium, Rice



Mark Zoback, Geomechanics Advisor

Stanford Professor of Geophysics, Secretary of Energy's committee on shale development & environmental protection



David Foulon, COO

VP Subsurface, Total US, led geosciences for US shale, team of 70 & \$300M development



Derek Moretz, Project Development Expert

Prior Chief Development Officer at Encore, led development of 100+ solar, wind and battery storage projects



Scott Wright, Project Manager

10 years drilling and well engineering and operations for independents and private equity-backed E&P



Wilson Pulling, Head of Data Analytics,

Founder of Aatonomy (road-side sensors for AV), Cornell M.Sc. Computer Science



Cliff Mauroner, Geologist

Experienced in international and domestic exploration from Hunt Oil



Henry Lau, Project Manager

Drilling, well engineering and field operations, Chevron; P.Eng; BSc Chem. Engineering

INVESTORS



THE JEREMY & HANNELORE GRANTHAM ENVIRONMENTAL TRUST

Development ramp up across key ISO's, funded by leading investors and government agencies

New York State (NYISO)

~5 TWh estimated
Gen-1 resource

NYSERDA-DOE funded development in upstate to provide grid-scale reliability and network optimization services to support Clean Energy Standard



Texas (ERCOT)

~5 TWh estimated
Gen-1 resource

DOE funded development to provide firming capacity for utility with GW-scale coal and gas plants nearing end-of-life



Ohio (PJM)

10+ TWh estimated
Gen-1 resource

DOE funded development for transitioning power supply mix across Appalachia



Alberta (AESO)

10+ TWh estimated
Gen-1 resource

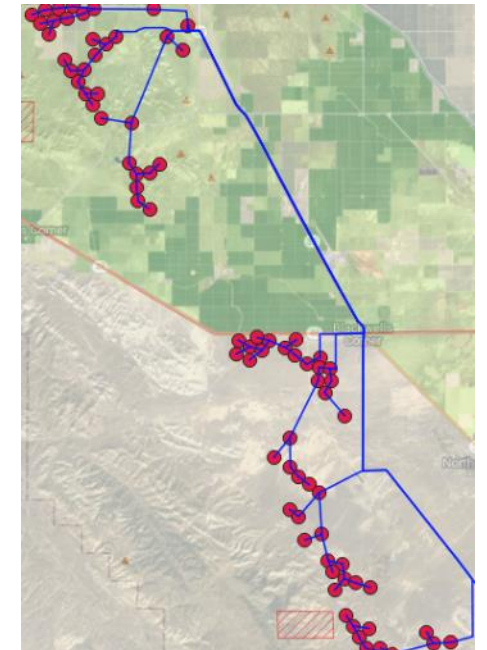
Emissions Reduction Alberta funded development co-located with renewables to maximize utilization of grid interconnection



California (CAISO)

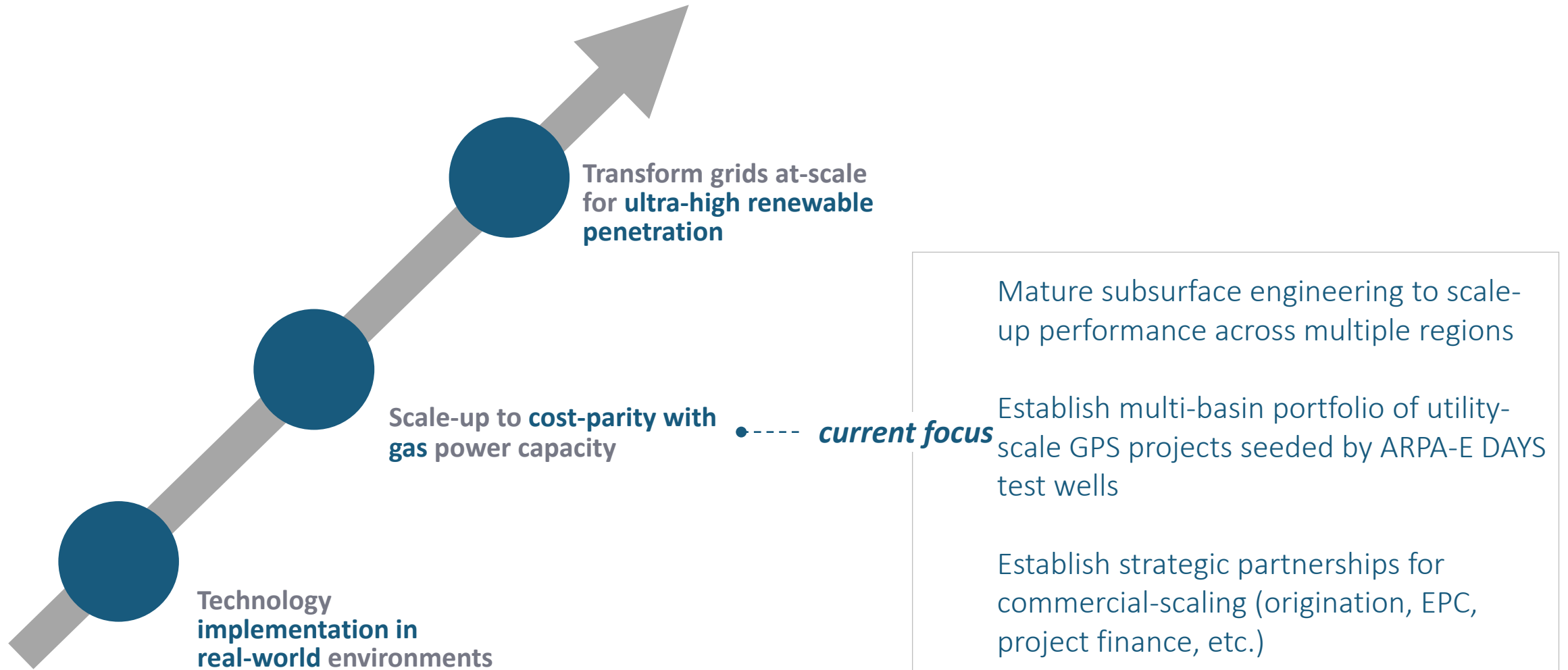
~2 TWh estimated
Gen-1 resource

Development planning for providing resource adequacy and firming for high solar supply

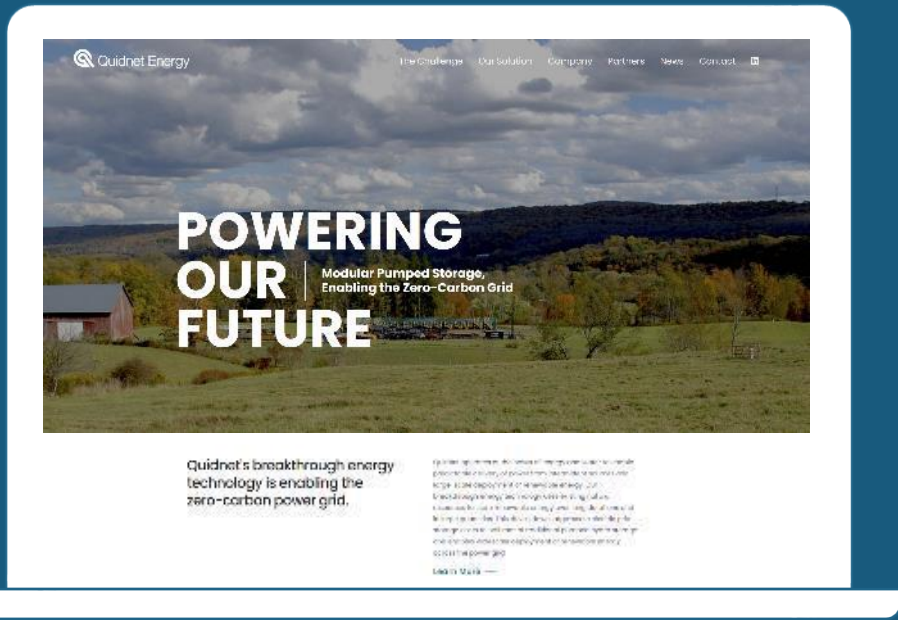


Roadmap to impact at scale

17,500 wells¹ drilled per year at height of US shale; every equivalent 17,500 Quidnet storage wells equals 17-50 GW of storage



¹ US Energy Information Administration (EIA), number of horizontal wells used as proxy for number of shale wells



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