

Reuse assets
Reduce costs
Re-energize power



STORWORKS
POWER

3rd Thermal-Mechanical-Chemical Energy Storage Workshop
August 10th, 2021

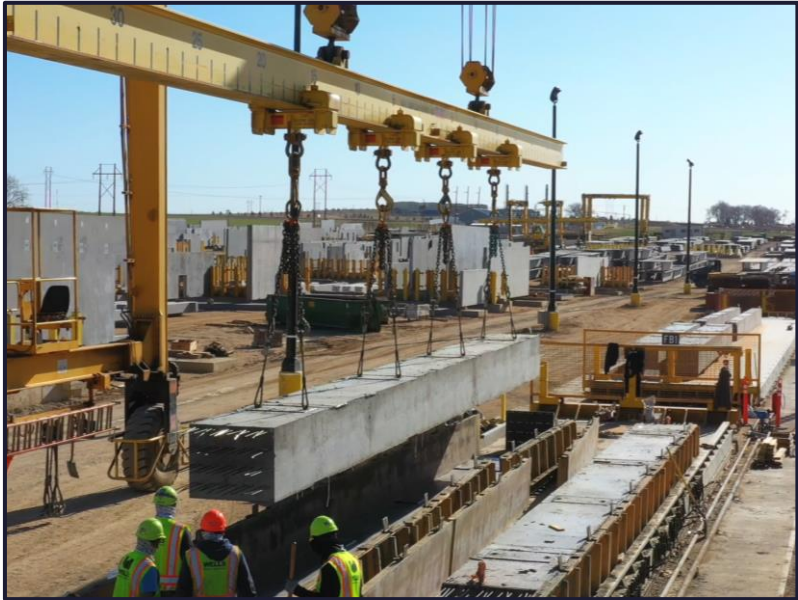
PRODUCT | BOLDERBLOC™ MODULAR TES SYSTEM



- Patented Steel Tube & High-Temperature Concrete Design
- Over 55 BolderBloc™ modules manufactured to date
- Max Temp: ~600 °C
- ~650 kWh_{thermal} per module



PRODUCT | BOLDERBLOC™ MODULAR TES SYSTEM



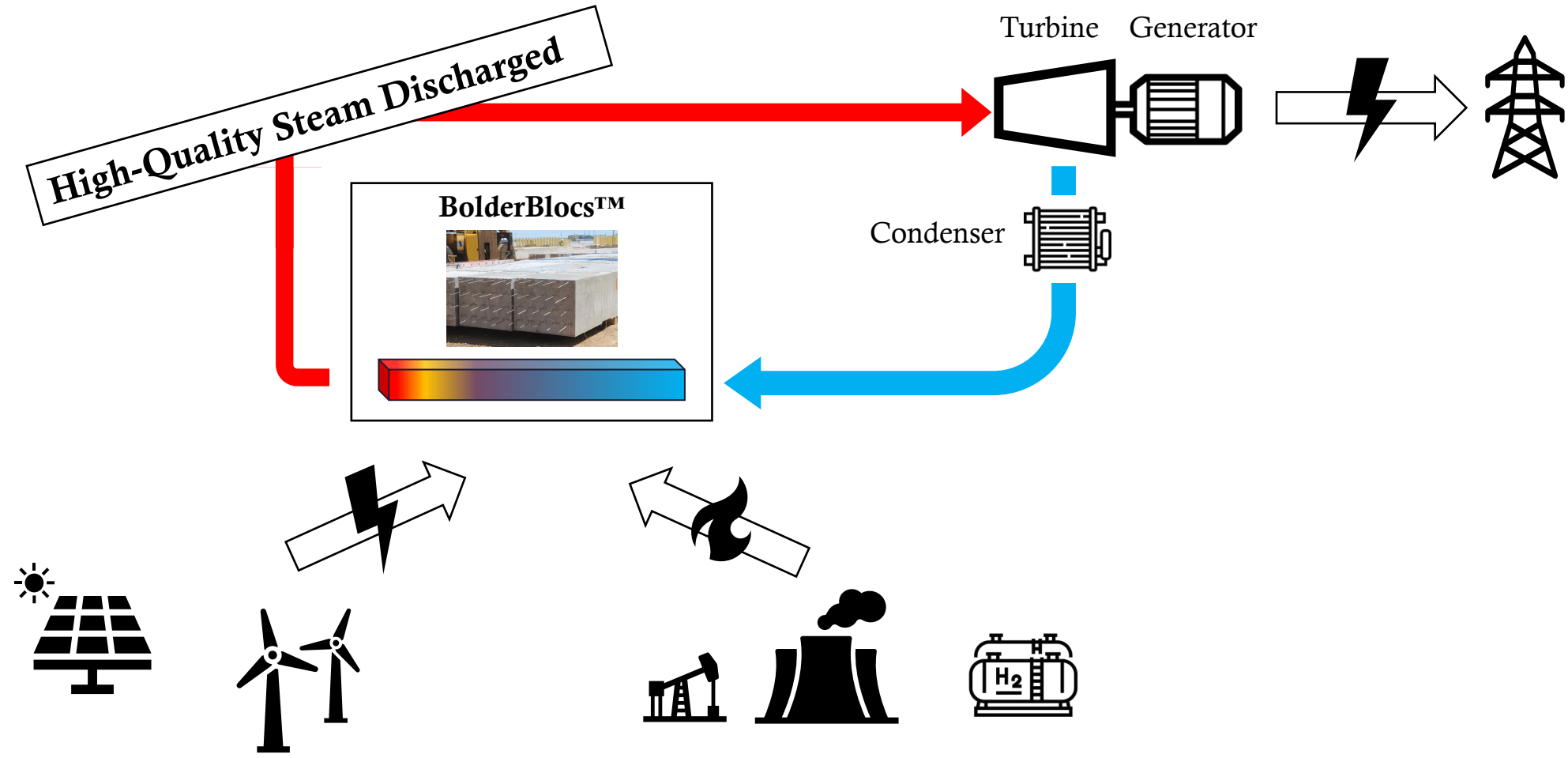
MILESTONES | GASTON ELECTRIC GENERATING PLANT



- \$4 M DOE/NETL Award
- 10 MWh_e Pilot Plant
- Supercritical Steam
 - ~530 °C
 - ~230 bar
- Partners Include:
 - EPRI | Lead
 - Southern Co | Site Host
 - United E&C | EPC
- Operational: Q1-2022



PRODUCT | GENERAL OPERATION



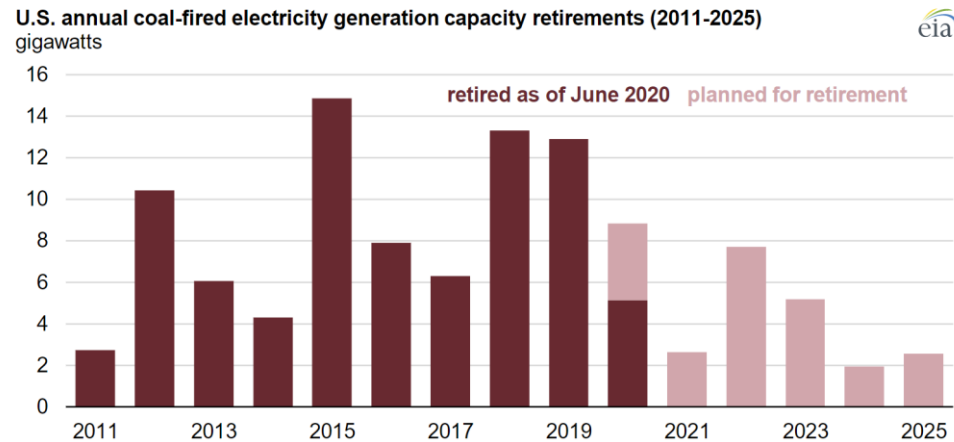
OPPORTUNITIES | REUSE RETIRING ASSETS



Save Jobs

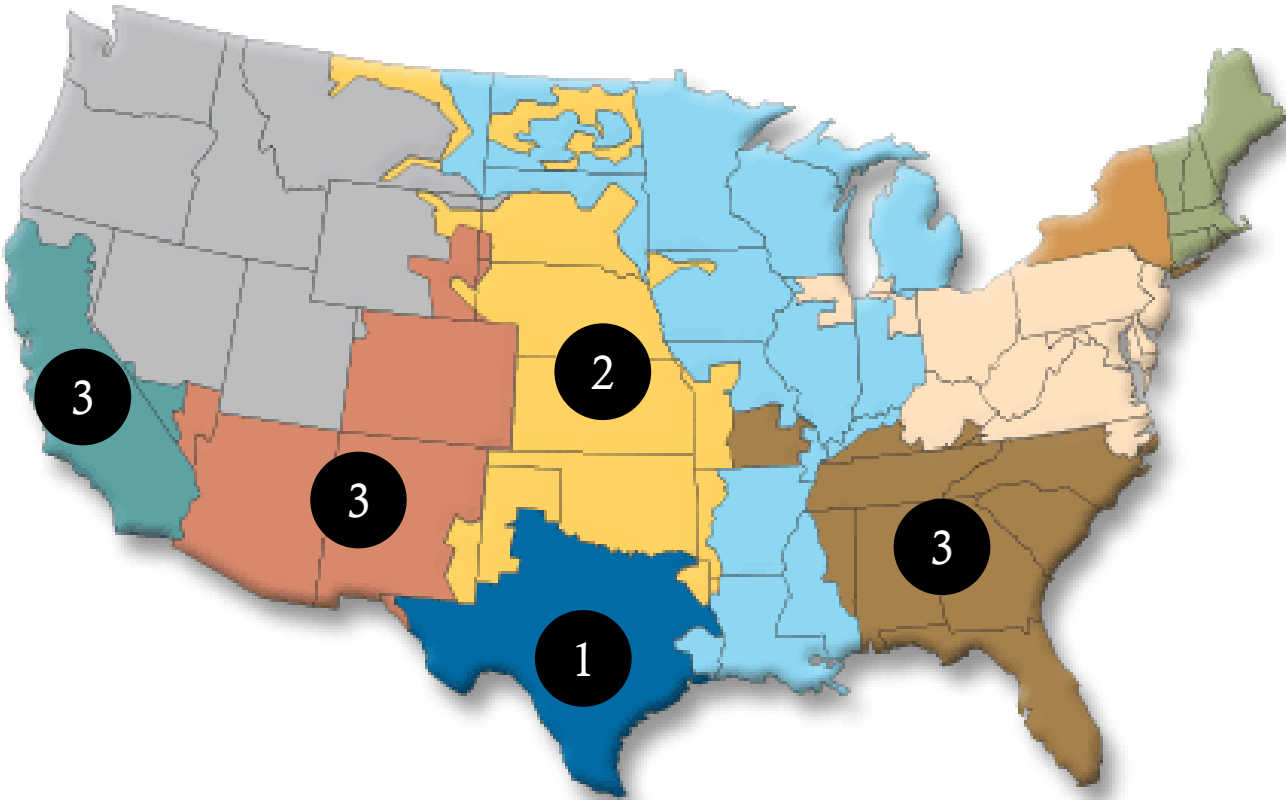
Prevent Waste

Lower Capital Requirements



Don't Destroy - Reuse

SALES PIPELINE | TOP 12 PROSPECTS



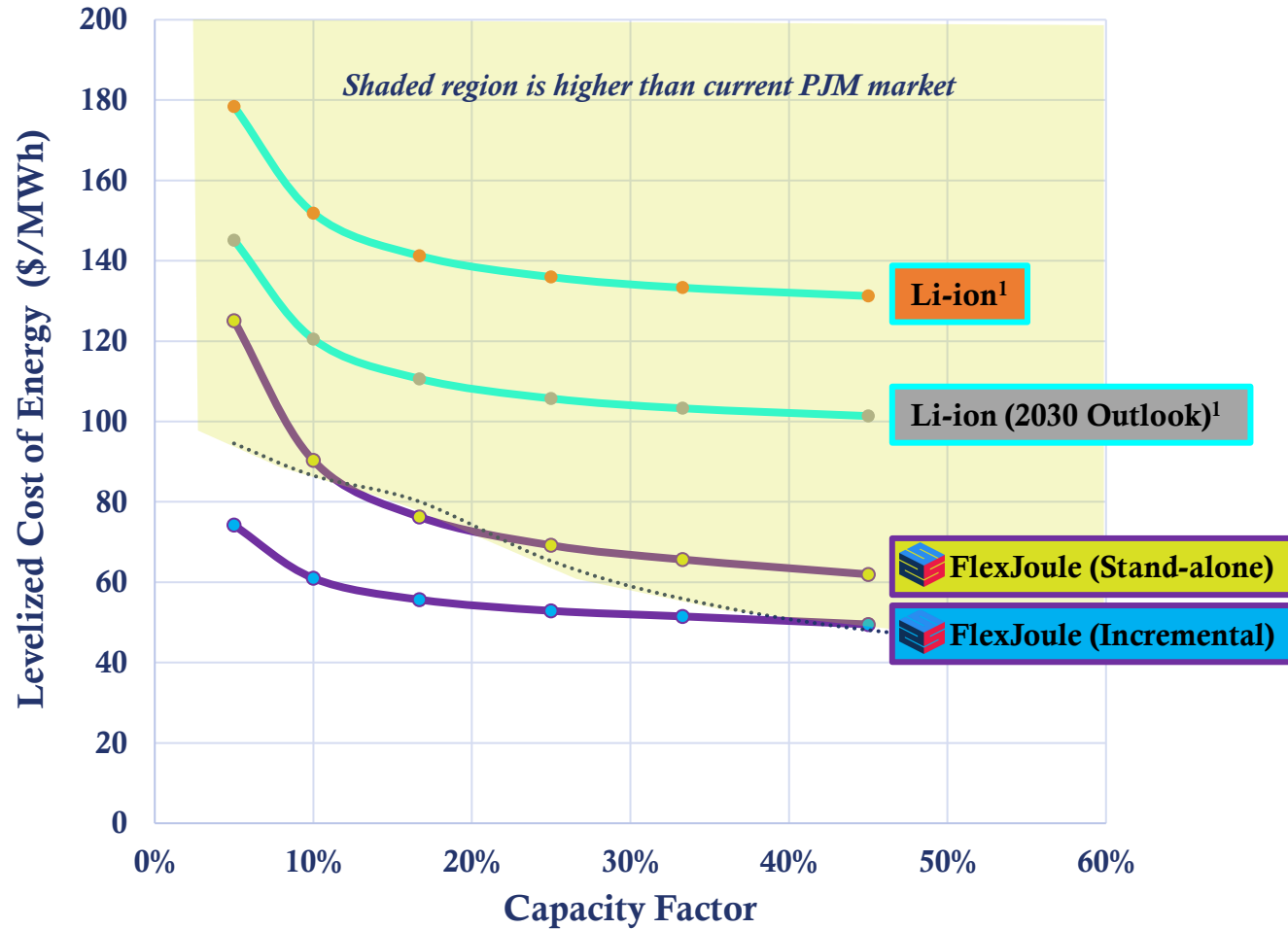
| Electric Power Market | Projects | Power (MW) |
|-----------------------|-----------|--------------|
| Southeast | 3 | 972 |
| Southwest | 3 | 539 |
| CAISO | 3 | 259 |
| SPP | 2 | 224 |
| ERCOT | 1 | 261 |
| | 12 | 2,255 |

~2.3 GW
~\$1.9 B

COMPETITION | LEVELIZED COST OF ELECTRICITY



Batteries vs. BolderBlocs™ (FlexJoule)



Capital Cost Comparisons

| | 4 Hours (\$/kW) | 8 Hours (\$/kW) |
|------------------------------------|-----------------|-----------------|
| Li-ion ¹ | \$1,280 | \$1,539 |
| Li-ion ¹ (2030 Outlook) | \$875 | \$1,080 |
| BolderBlocs™ | \$380 | \$480 |

1. The Brattle Group: The Economic Potential for Energy Storage in Nevada, prepared for PUC of NV and NV Governor's Office of Energy [Link](#)