



Energy
Storage
Association

The Road Ahead for Energy Storage

Symposium on Energy in the 21st Century

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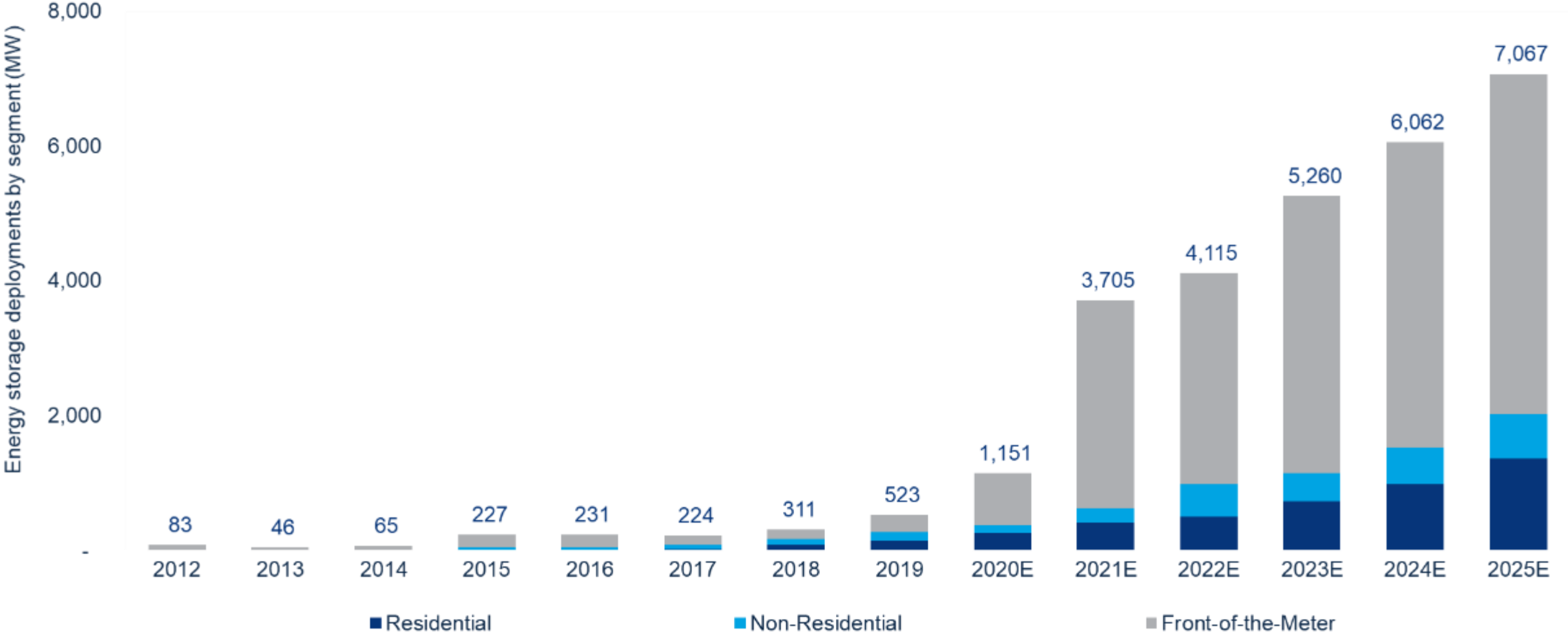
www.energystorage.org



THE STORAGE HUB

**Storage
makes everything
better.**

Industry Progress



Source: Wood Mackenzie Power & Renewables / U.S. Energy Storage Association.
U.S. energy storage monitor Q3 2020.



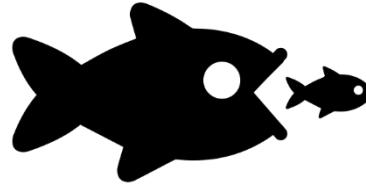
Barriers



Cannot **VALUE** or
compensate storage
flexibility

Solutions

Deployment targets
Incentive programs
Tariff/rate design
Wholesale market
products
Cost-benefit studies



Unable to **COMPETE** in all
grid planning and
procurements

Solutions

Long-term resource planning
Distribution planning
Transmission planning
GHG/renewables standards
Wholesale market rules
Resource adequacy rules

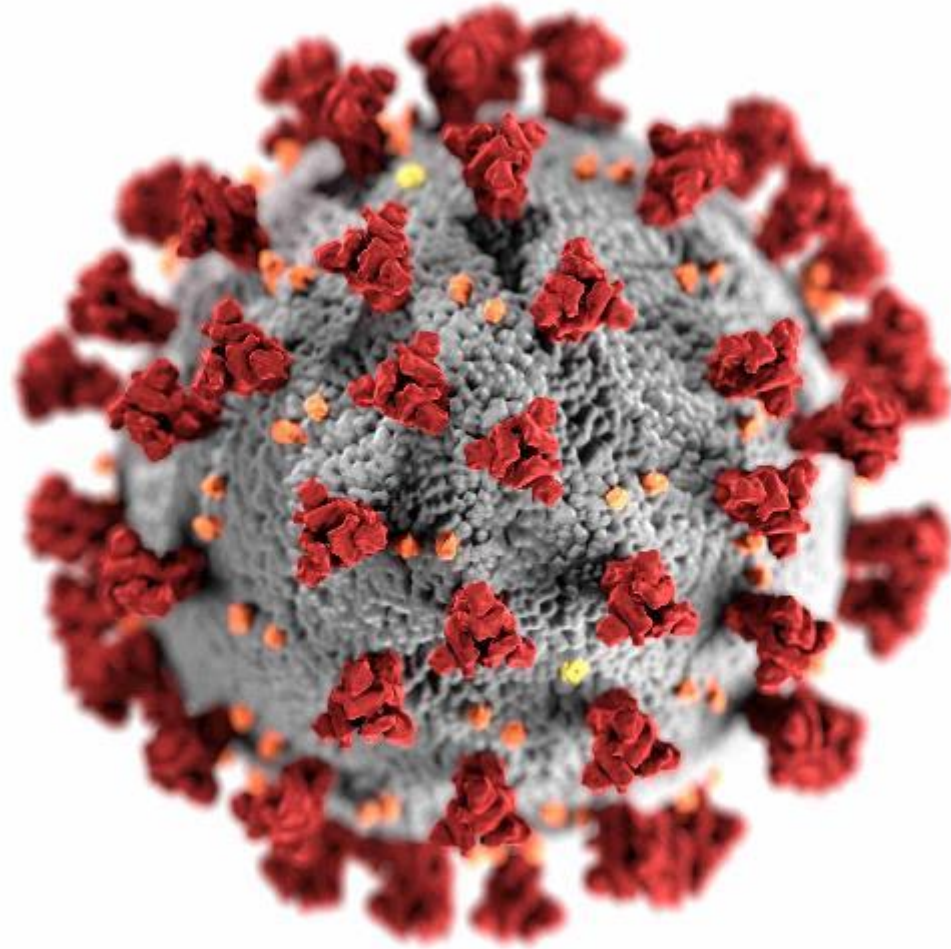


Cannot **ACCESS** grid or
constrained to narrow use

Solutions

Interconnection processes
Multiple-use frameworks
Ownership rules

Barriers



Federal Policy

Legislative

- COVID relief
- Stand-alone energy storage ITC (S.1142/H.R.2096)
- HR 4447: Clean Economy Jobs and Innovation Act
- FY21 Appropriations: \$1.7b for storage

Administration

- Energy Storage Grand Challenge
- DOE safety training for code officials on BTM systems

Regulatory

- FERC 841 and FERC 2222
- Storage for infrastructure & resilience
- FERC driving PJM, SPP rules on storage capacity value0



State Policy

Targets

- 10,000 MW of storage targets in 7 states
- VA: 3,100 MW by 2035

Incentives

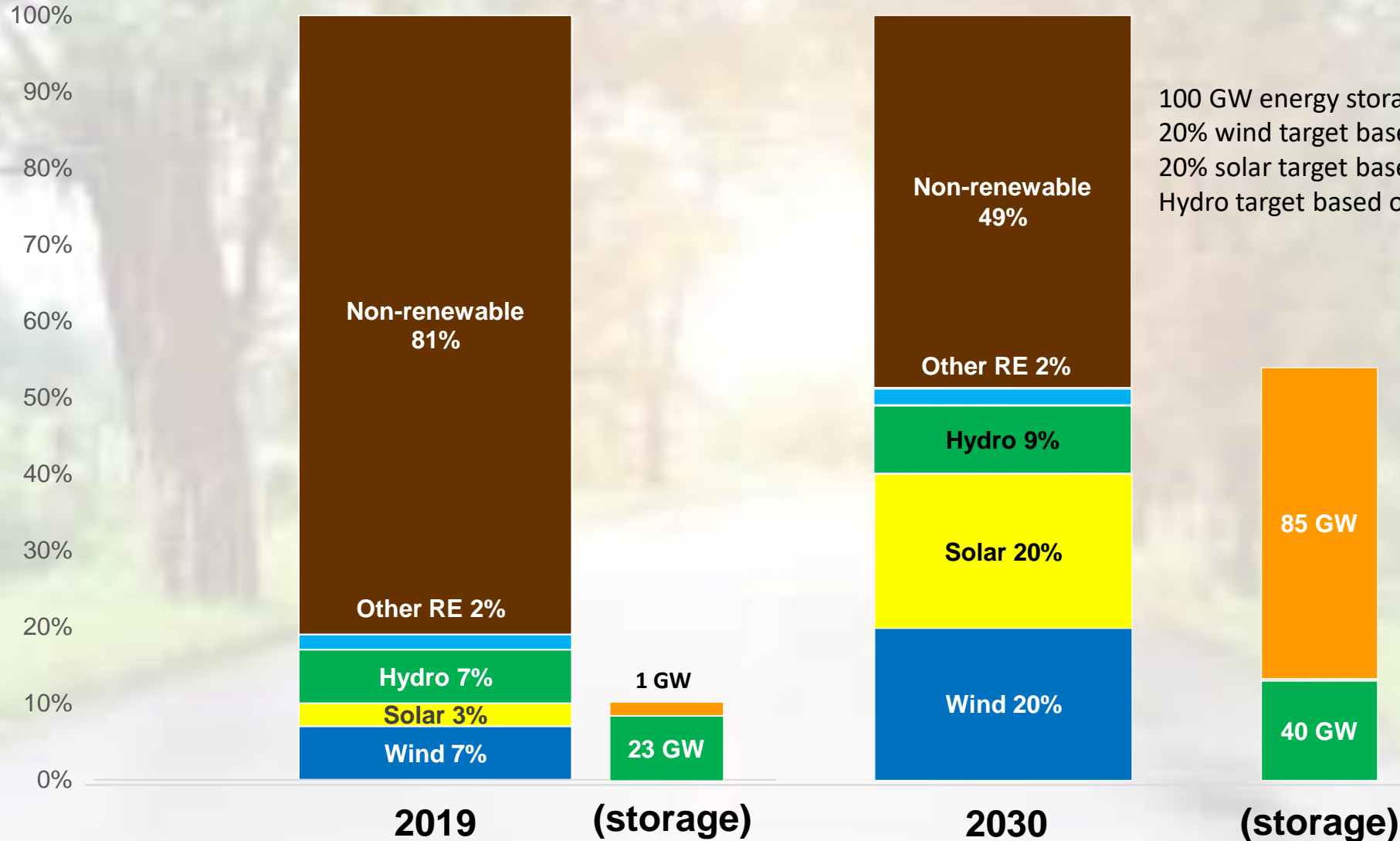
- >\$1.1b across six states

Planning

- 32 states require long term planning for utilities
- 11,000 MW selected to date



The Road Ahead





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Thank you

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