

Frontiers in Energy Storage: Next Generation AI

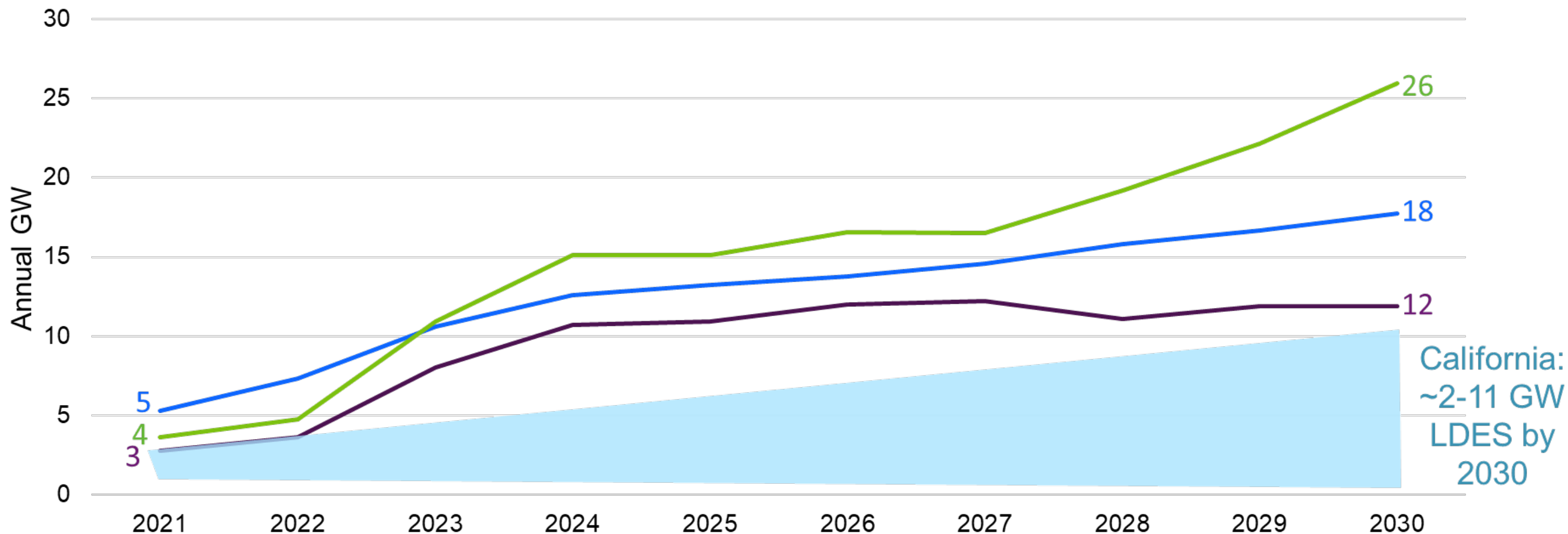
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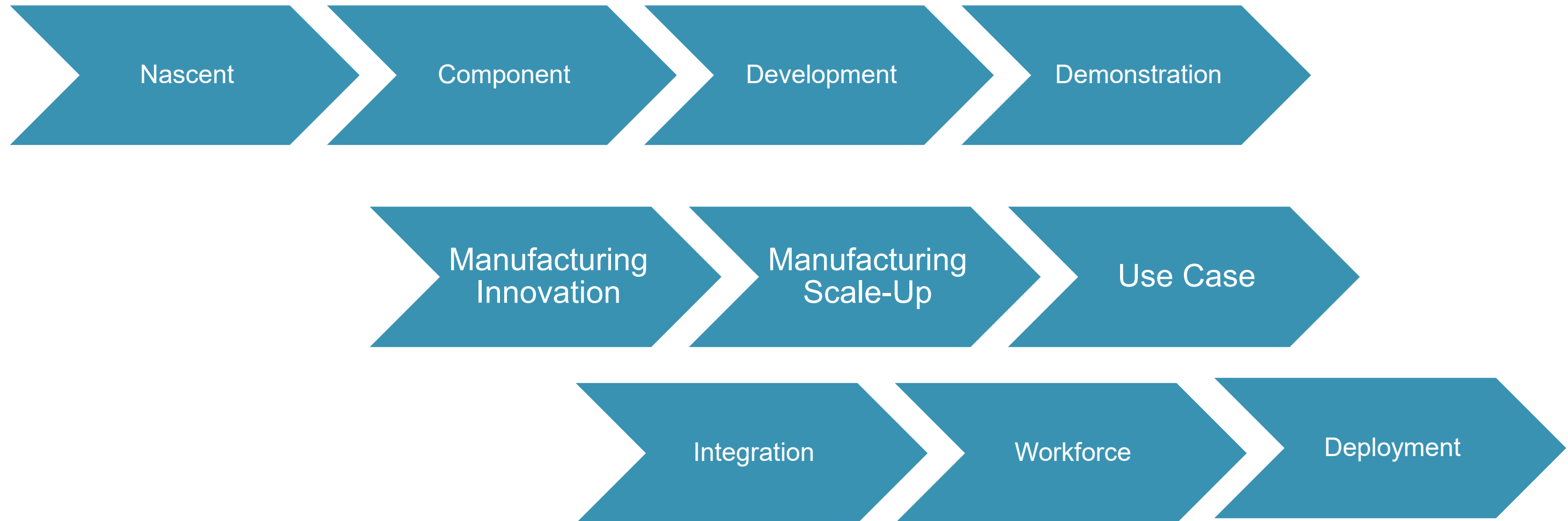
Grid Storage is Projected to Rapidly Grow

Projected U.S. Stationary Storage Deployment (GW)

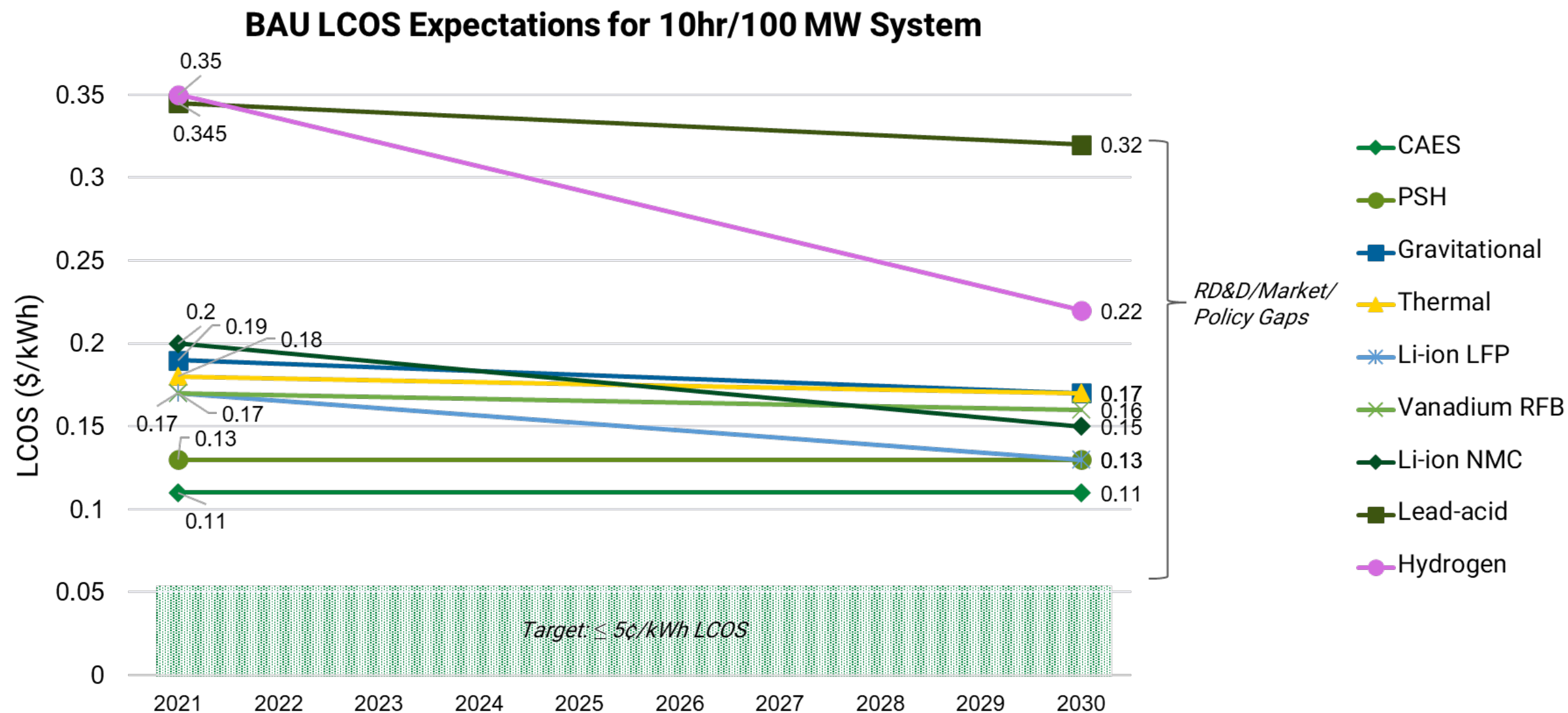
IHS WoodMac BNEF



The road to deployment has many steps



Many technologies, zero projected to reach low cost* under BAU...



Defining AI

“a machine-based system that can, for a given set of human-defined objectives, **make predictions, recommendations, or decisions influencing real or virtual environments**. Artificial intelligence systems use machine- and human-based inputs to perceive real and virtual environments; abstract such perceptions into models through analysis in an automated manner; and **use model inference to formulate options for information or action.**” –E.O. on AI, October 30, 2023

For the purposes of today, broadest definition of AI will be taken.

Two major drivers for today...

**Energy Storage
Grand Challenges to
Solve**

**Acceleration of
Transformational
AI**

