Grid Scale Energy Storage – Enabling the Clean, Unbreakable and Resilient Grid

AES Energy Storage

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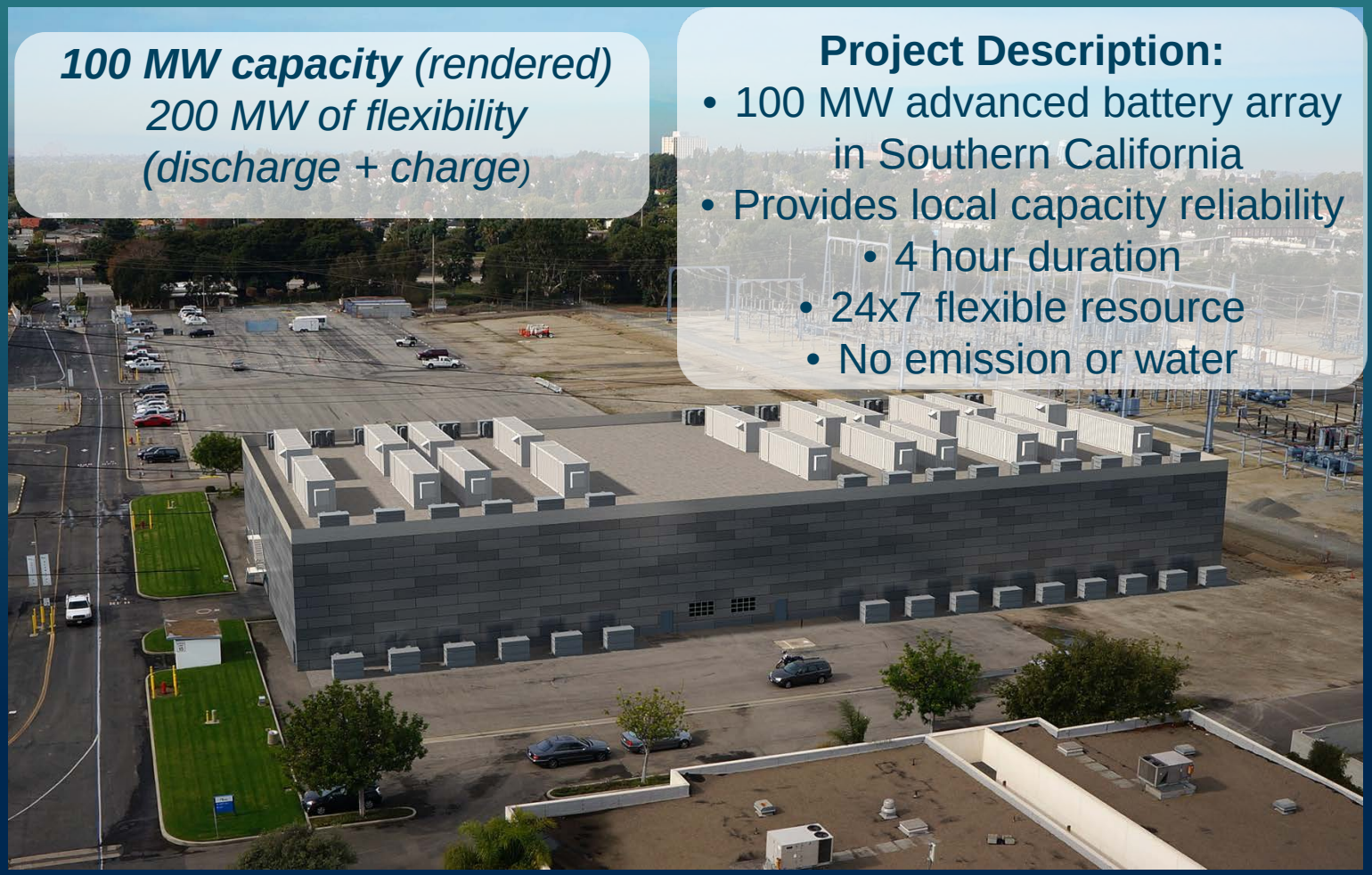
AES – 8 Years of Operating Grid-Scale Advanced Storage

Creating a Clean, Unbreakable Grid

- Industry fundamentals are changing, lot more emphasis on flexibility of supply – Bloomberg estimates 13 GW flexible capacity need in US by 2020.
- Existing market constructs for capacity do not directly value flexibility.
- Rules for storage participation in capacity markets not fully clear.

Energy Storage for Capacity Needs

AES
we are the energy



100 MW capacity *(rendered)*
200 MW of flexibility
(discharge + charge)

Project Description:

- 100 MW advanced battery array in Southern California
- Provides local capacity reliability
- 4 hour duration
- 24x7 flexible resource
- No emission or water

Storage Provides Benefits Across Generation & Transmission (G & T)

- Process and regulatory framework for market participants to realize benefits across electric functions (G & T).
- Ability to utilize energy storage for providing both transmission reliability needs and grid ancillary services.