



Item 11: Charge Bliss, Inc.

February 12, 2025 Business Meeting

Javier Flores, Associate Electrical Engineer
ERDD, Energy Storage & Integration



Background

- Full-service emergency care pediatric hospital in Madera
- Under-resourced community, extreme weather events, strained electric grid
- Planned microgrid is among the largest nationally to serve emergency care hospital
 - 2.2MW of fuel cells
 - 1.2MW solar PV



Source: Valley Children's Hospital



Project Overview

- 34MWh of long duration energy storage (10+ duration)
- \$60M joint project (Up to \$30M DoE grant; \$29M CEC grant)
- Continue critical operations during outages and peak demand shaving

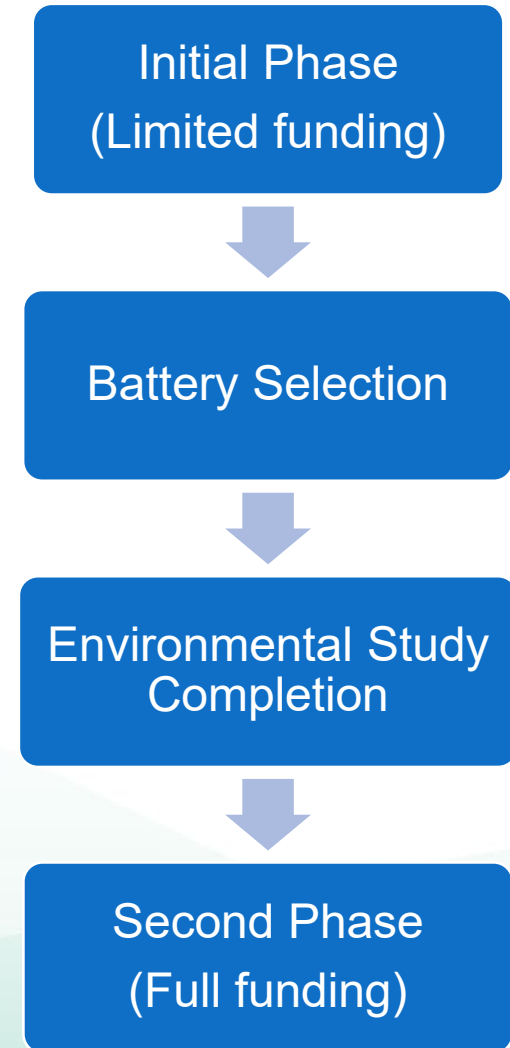


Source: Valley Children's Hospital



Environmental Review

- Grant phased approach
- Battery storage technology selected in initial phase through competitive process
- Environmental studies completed after battery selection
- Executive Director approval of second phase





Benefit to Californians

- Facilitate greenhouse gas reductions
- Accelerate commercialization of long duration energy storage (LDES)
- Support underserved communities



Staff Recommendation

- Approve first phase of the grant agreement, covering preliminary engineering, detailed project planning, and commercial scale designs.
- Adopt staff's determination that this action is exempt from CEQA