

Types of Energy Storage Systems:

California's Energy Commission requested UC-Berkeley, UCLA, and UC-San Diego to examine the types of energy storage. Their report addressed:

Electrochemical:

- Lead-Acid Batteries
- Nickel-Based Batteries
- Lithium Ion Batteries
- Flow Batteries
- Sodium-Beta Alumina Batteries
- Metal Air Batteries
- Electric Double Layer Capacitors
- Pseudocapacitors
- Hybrid Capacitors

Mechanical Energy Storage:

- Pumped Hydro
- Compressed Air Energy Storage
- Flywheels

Thermal Energy Storage:

- Solar Thermal
- Thermal Storage for Heating, Ventilation, and Air Conditioning

Hydrogen