NORTH BAY ENERGY STORAGE

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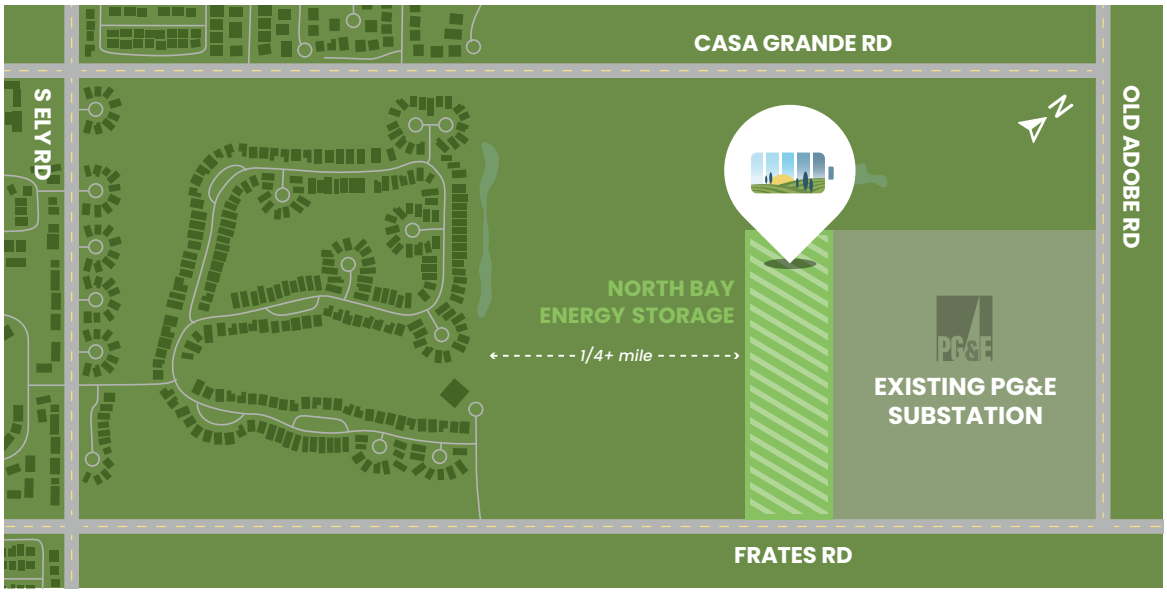
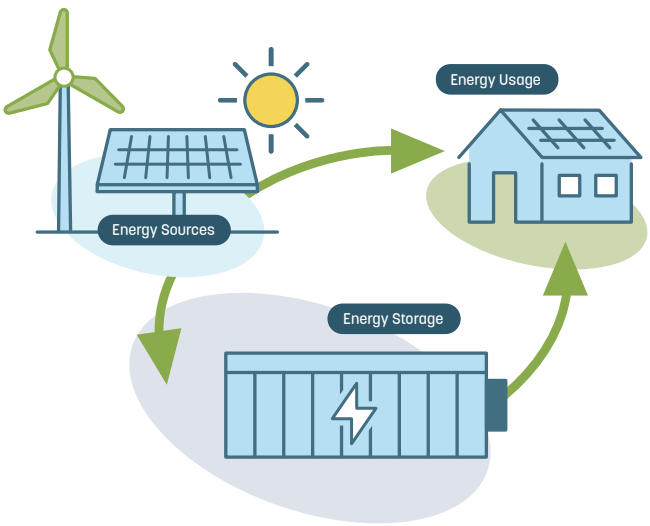
About the Project

The North Bay Energy Storage Project is an electrical grid-connected energy storage resource that uses lithium-ion batteries to support healthy operation of the electrical grid and the integration of renewable energy sources such as wind and solar. The proposed Project is a 200-megawatt (MW) / 800-megawatt-hour (MWh) capacity battery energy storage system (BESS) facility to be located on 15-acres of the former Petaluma Adobe Golf Course property. The Project will directly connect to the PG&E Lakeville Substation next to the golf course property in unincorporated Sonoma County.



How it Works

Battery energy storage systems balance the load on the power grid by storing electricity during low demand periods and discharging it during peak demand periods. This helps utilities optimize power generation resources, reduce costs, and ensure a reliable supply of electricity to customers.



Safety Record of Energy Storage Systems in the United States

The North Bay Energy Storage Project will utilize proven and safe lithium-ion battery energy storage technology that has evolved over the last several years to safely store energy while minimizing risks associated with fire, earthquakes, and other hazards. The Project will use rechargeable lithium-ion battery technology that has benefited from more than $100 billion in research and development investments from the electric vehicle and consumer electronic industries. Lithium-ion batteries are a widely adopted battery technology that has been found in various consumer applications over the past decades and are used in cell phones, laptops, and other household electronics.

Modern lithium-ion battery energy storage systems are subject to robust testing and detailed safety standards from recognized authorities such as the National Fire Prevention Association (NFPA) and Underwriters Laboratory (UL). Once operational, fire risk is managed by required redundant safety systems, monitoring and control systems, technology assisted fire suppression and detection systems, and regular inspection and maintenance.

North Bay Energy Storage Safety Measures

The North Bay Energy Storage Project has been designed and engineered to operate in a safe and controlled manner to minimize fire, earthquake, and other risks. Fires involving battery energy storage systems are rare, given that technology, project design, and fire standards have advanced and evolved throughout the years. Since its inception, Strata Clean Energy has an established track record of implementing safely operating battery energy storage and renewable energy projects.

The North Bay Energy Storage Project will employ numerous redundant safety systems, including:

- The battery energy storage system is continuously monitored both onsite and offsite. Facility operations are monitored from an offsite control center that is staffed 24 hours a day, 365 days a year. Along with the onsite battery management system, the offsite monitoring would detect any potential anomaly and turn off the power when operational environments are less than optimal.
- Fire protection and fire suppression system
- Smoke, heat and gas detection sensors
- Layers of physical fire containment/separation and appropriate spacing between equipment
- Battery cell and enclosure venting
- Fuses and circuit breakers
- Regular physical inspections and maintenance
- Ongoing first responder training during construction and operations to regularly educate local first responders about the technology and coordinate a response plan in the unlikely event of an emergency.
- Strata Clean Energy systems comply with all local, state, and federal regulations for construction, operations, fire protection, earthquake safety, and solid waste disposal.