



VTA Fleet Microgrid

VTA has committed to transitioning their fleet to 100% battery-electric buses by 2036. In order to meet this ambitious goal on schedule, they are partnering with Scale to deploy a clean energy microgrid that will give their San Jose bus depot a low-cost, sustainable, and reliable platform to power their growing fleet.

The microgrid is based on Scale's modular microgrid framework, which integrates on-site solar, battery storage, and smart controls to ensure operations are optimized. Compared to relying on their utility, the microgrid will deliver electricity with 36% lower costs, 61% lower greenhouse emissions, 4 hours of zero-carbon resilience during grid outages, and the ability to incorporate a backup generator in case of a prolonged blackout. The switchgear and controls are also sized to accommodate future load growth, which will allow for capacity to be expanded with additional distributed energy resources as VTA's all-electric fleet expands in the years ahead.



34
BATTERY ELECTRIC BUSES

36%
ELECTRICITY COST SAVINGS

61%
REDUCTION IN GREENHOUSE
GAS EMISSIONS

4+
HOURS OF ZERO-CARBON
RESILIENCE

MICROGRID CAPACITY



500 kW
SOLAR PV



1 MW/4 MWh
BATTERY STORAGE



3 MW
EV CHARGERS