Valley Transportation Authority

## 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.

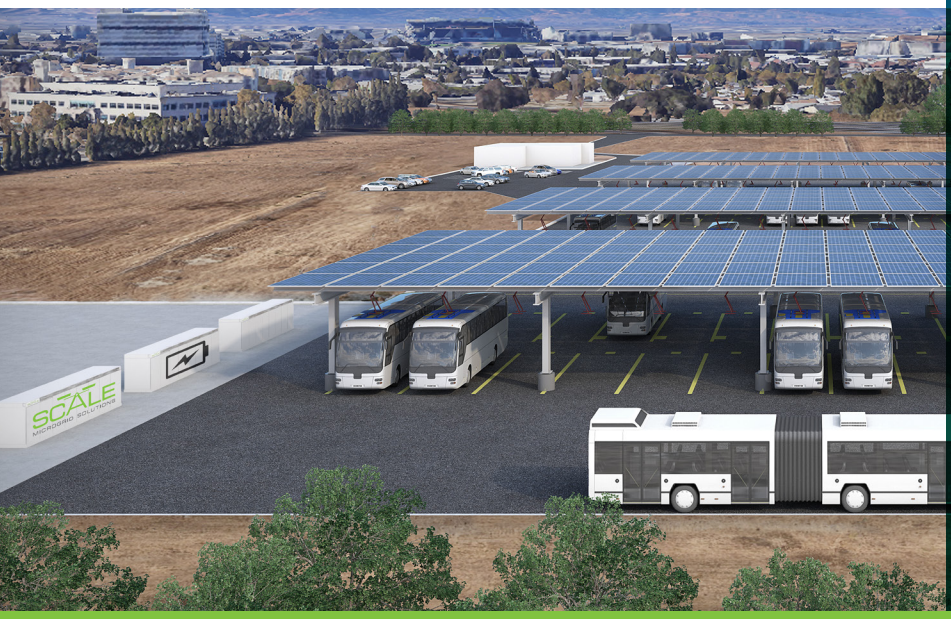
The microgrid is based on Scale's modular microgrid framework, which integrates on-site solar, battery storage, and smart controls to ensure operations are optimized. Compared to relying on their utility, the microgrid will deliver electricity with 36% lower costs, 61% lower greenhouse emissions, 4 hours 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

**1.56 MW**
SOLAR PV

**1 MW/4 MWh**
BATTERY ENERGY STORAGE

SCALE MICROGRIDS
51-53 S Broad Street
Ridgewood, NJ 07450
info@scalemicrogridsolutions.com

**Learn more by visiting us at www.scalemicrogrids.com**