



# The City of Oakland Powers COVID Test Center with Sunshine for Clean, Quiet Emissions-Free Power

The City-owned EV ARC™ solar-powered EV charging station was easily relocated in time of emergency, replacing the loud, polluting diesel generator.

The City of Oakland repurposed one of their three EV ARC™ EV charging units to provide a renewable source of energy to medical volunteers at a COVID test center. The EV ARC™ is off-grid, solar-powered and transportable, which means it can be easily re-deployed to locations with an increased need for EV charging or emergency power such as COVID surge facilities, pop-up testing centers and emergency shelters. Oakland took advantage of the EV ARC™ unit's multi-purpose capability. This is a perfect example of City leaders leveraging their innovative energy resiliency assets in time of community need and emergency.



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## Diesel Generator Caused Problems for COVID Test Center

Oakland set up 3 free COVID test centers in the community and one of these centers had no direct access to power. In response to this they brought a diesel generator on site to keep the refrigeration systems for patient samples stable, charge communication devices, power check-in systems and to power anything else that needed a charge on site. The diesel generator proved to be loud and disruptive and its emissions were worrisome for volunteers and their patients who faced respiratory symptoms.

The constant need to check the generator's fuel levels created additional stress for medical staff at the facility. When the level was low, they had to find someone to bring fuel to the test center. They would have to worry about the entire site's operation if the diesel wasn't delivered on time.

Unlike in-ground EV chargers, these units have the advantage of being completely off-grid, so can be easily transported.

## City Leaders Tap Into Their Energy Resiliency Plan

The City of Oakland owns three EV ARC™ units to charge electric vehicles in their city fleets. Unlike in-ground EV chargers, these units have the advantage of being completely off-grid, so can be easily transported to a new location when needed. A unit could be moved to the COVID test center and provide clean renewable energy.

The EV ARC™ was selected to be the hero for Covid test center medical volunteers and patients. Big shoutout the Fire Station No. 3!







## The EV ARC™ Shows up Overnight to Support Medical Staff

Richard Battersby, Oakland Public Works Assistant Director, reached out in response to Beam's offer to relocate customer units that would serve COVID-related operations. Beam worked with Battersby on a quick plan to get the test center running emissions free.

Two Beam Deployment Experts arrived and quickly upgraded the EV ARC™ unit with an emergency power panel. To avoid disrupting test center operations the move was to take place after the center closed for the day.

With the ARC Mobility™ Trailer, the move from the fire station several miles away took about 10 minutes. The EV ARC was set in place and ready for faithful service in the morning.



Richard Battersby, Oakland Public Works Assistant Director

“Yesterday this EV ARC™ was a solar powered electric vehicle charger providing fuel to the City's zero emission vehicle fleet, and today it is providing electrical power to a COVID response site.”



## A Perfect Day to Save the Planet

The staff arrived in the morning and to their surprise, had a clean, renewable source of energy at their disposal. When Katie Wanner, Lead Medical Technician on site, walked over to start the diesel generator, Battersby introduced her to the Beam team for a quick demo. As he was introducing her to the team to give her a demonstration, one of the technicians walked right past the team and plugged into the Emergency Power Panel to open the test center. No demo needed. They were good to go.

Deployment day happened to be Earth Day and news cameras came on site to capture how an EV ARC™ was providing clean, emission free, fuel-free energy to the staff and patients.

In an interview with Fox News, Battersby noted, "In this case, zero-emission solar powered electric vehicle chargers are being used to provide electrical power to emergency response field sites. Yesterday this EV ARC™ was a solar powered electric vehicle charger providing fuel to the City's zero emission vehicle fleet, and today it is providing electrical power to a COVID response site."



**No more disruptive noise or toxic emissions. No more concern about handling fuel on site. The diesel generator could now be removed from the site.**

## The EV ARC™ has You Covered

Repurposing the EV ARC™ provided a renewable source of energy and made the test site safer, cleaner and more efficient for patients and volunteer medical staff. Staff could now keep patient samples stable in refrigerators, charge the patient check-in system and keep their cellphone communication charged. No more disruptive noise or toxic emissions. No more concern about handling fuel on site. The diesel generator was removed and the site was run on free, clean, quiet energy.