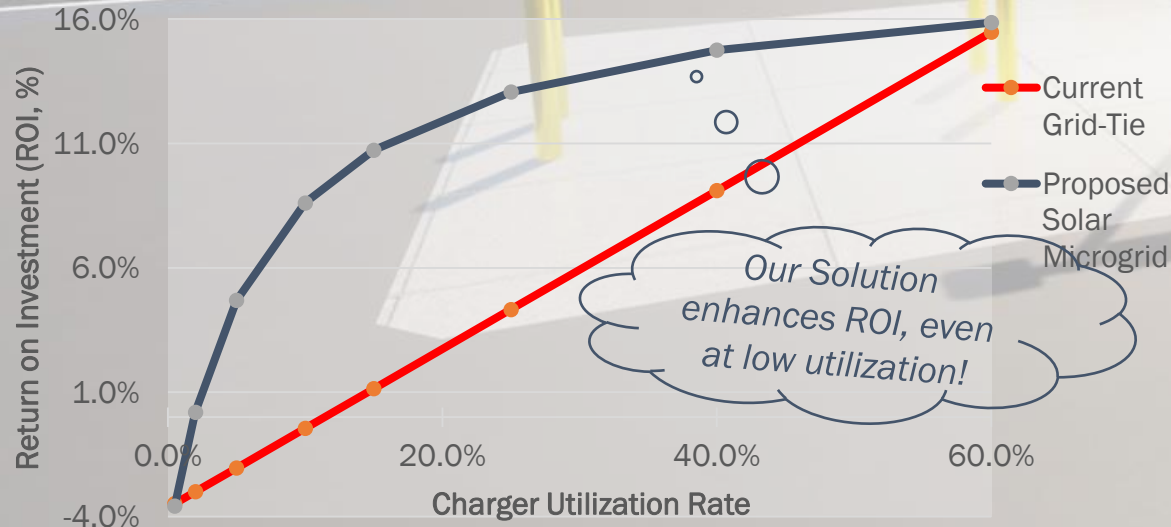


Solar Micro-Grid EV DCFC Stations

The Problem

There is a lack of EV chargers in underserved communities, common referred to as “charging deserts,” contributing to environmental injustice and hindering nation’s effort in electrification of transportation. Current grid-tied solutions are slow to deploy, unprofitable, inefficient, unreliable and damaging to grid stability. Utility upgrade costs are often inadvertently passed onto disadvantaged communities.



Our Solution

Construction of self-powered Direct Current Fast Charging (DCFC) stations, integrating localized micro-grid ground mounted solar arrays and energy storage. Powered by sunshine, the stations are more reliable and require no lengthy and costly utility upgrade. Running exclusively on DC to reduce energy losses and redundant electronics, our chargers can recharge a typical EV to 80% in less than 30 minutes! Future expansion is possible based on charging demands, and amenities such as hydrogen and additional chargers can be added to maximize revenue.

How a DC Micro-Grid works:

