


Building Solar System

Based on 2019 energy usage data (2020 data not used as it may include transitory COVID-related impacts), the facility has annual usage of 766 MWh and a peak demand of 152 kW. The facility has an existing diesel backup generator.

Solar PV: The proposed rooftop + carport solar system for  Building has a nameplate rating of 169.70 kW-DC (132 kW-AC) that is estimated to produce 266.3 MWh during its first year of operation that should offset approximately 35% of the building's annual load (766.5 MWh).

Battery: A battery for backup power was not designed due to the presence of an existing backup generating solution. The single line diagram denotes a "potential future battery" as a placeholder should the customer wish to pursue a battery solution in the future.