



# MICROGRID SYSTEMS





**Energy Storage Solutions, LLC (ESS) is proposing to develop renewable energy microgrid services including Solar, Energy Storage, and Electric Vehicle Charging Stations for each project.**

**Most of the proposed microgrid systems will be “behind the meter”. This approach does not require a Power Purchase or an Interconnection Agreement. For the Electric Vehicle Charging Stations, we will only need to apply for a new business connection with an electric meter installed by the local utility company. Charging stations can be made available to charge Electric Vehicle buses as well. This simplified development process would only require a building permit to begin construction of the systems and would speed up the development process.**

# HOW DOES IT WORK?

# SOLAR



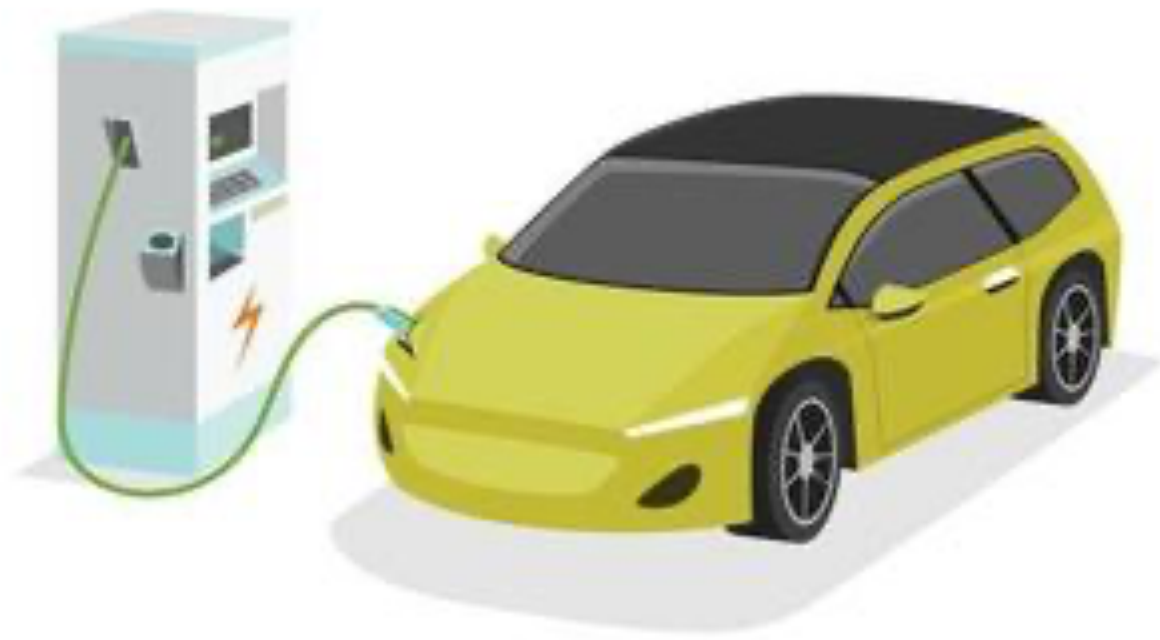
**We can install solar on available land and rooftops using a ballasted system. These can easily be moved should there be a need to do repairs. Solar can also be installed over the Electric Vehicle Charging Stations. The officers and staff of ESS have many years of experience and have developed over a hundred utility scale solar projects and are very familiar with this process.**



# ENERGY STORAGE

**The energy storage systems being installed for the projects will vary in size for storing the energy generated by the solar systems and downloading energy from the local utility grid as needed. Multiple energy storage systems may be installed for each project depending on the other operating systems' needs. Any excess energy will be sold to the local utility company.**





# ELECTRIC VEHICLE CHARGING

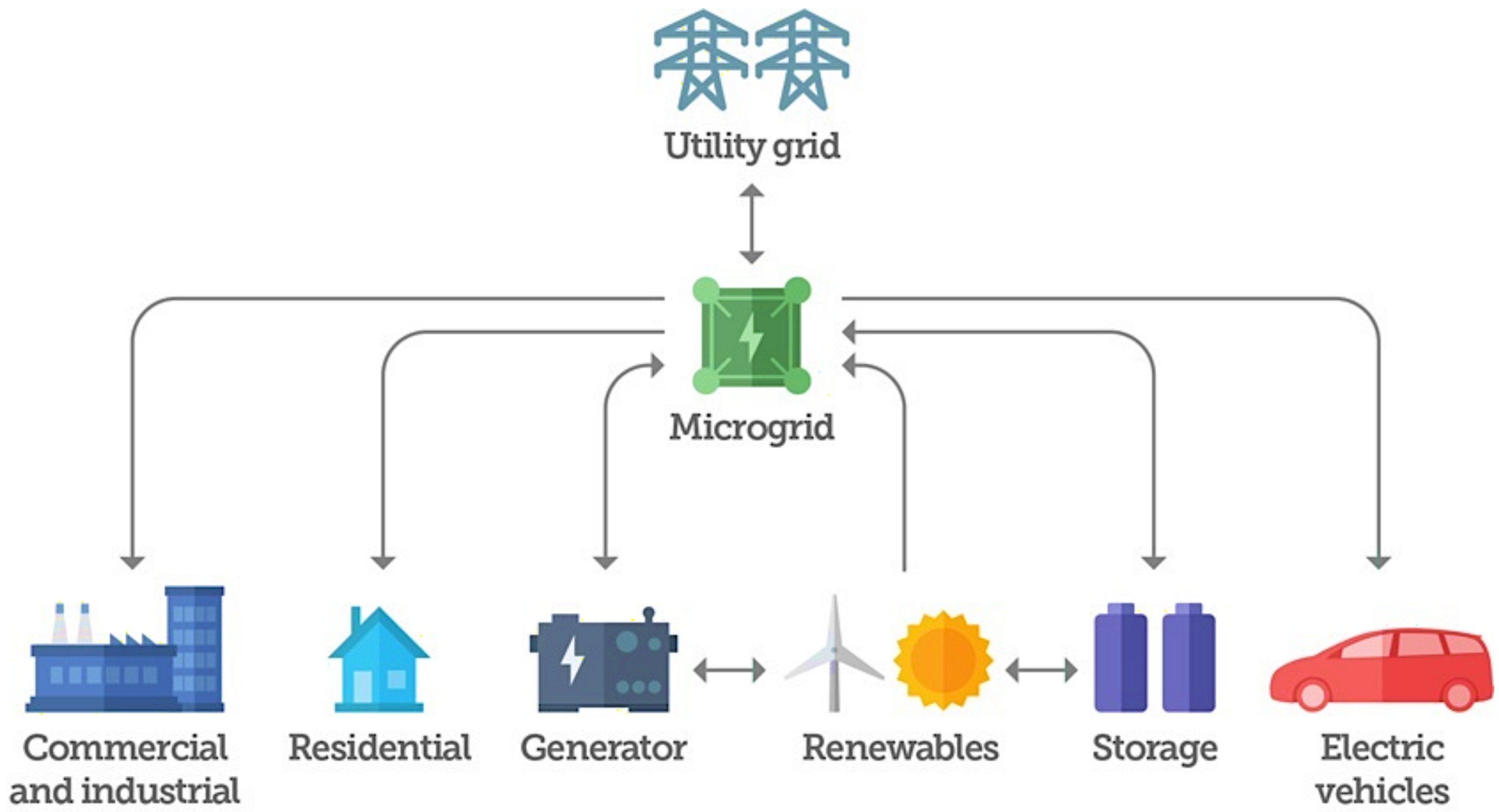
The size of each Electric Vehicle Charging Station will depend on the size of the project and the needs of the local community. Therefore, the size of the Electric Vehicle Charging Stations will vary. For Electric Vehicle Charging Stations we will likely charge our systems from the local utility electric grid. These projects will derive revenue from these Electric Vehicle Charging Stations. Revenue generated from a land lease, or a percentage of the revenues earned, could be shared as well.

## MICROGRID SYSTEMS

Each project will become its own Microgrid System, with Solar, Energy Storage, and Electric Vehicle Charging connected to the existing electric system. Buying power from the grid and using the power generated by the newly installed solar systems will be managed by the new software to be installed by ESSMG for each project. Our long-term goal is to buy and utilize American made equipment only.









# Going **Green** for you and your community at zero cost.

**ESSMG will build the MicroGrid Systems at no cost for schools, churches, commercial companies, and public services. ESSMG will pay for the MicroGrid Systems, and also provide a service with a guaranteed 10% savings on electric bills for the first 5 years, and a guaranteed savings of 20% thereafter. We will calculate what your monthly utility bill would have been under the current utility rates, and bill 10% less, then after 5 years, an increase to 20% savings.**





# NATIONAL DEFENSE

**The MicroGrid System that will be built at each location will be hardened against any EMP crisis. Whether from a major solar flare, nuclear attack, or local disruption. For the good of the people and the local community, your microgrid will continue to operate, even under emergency conditions.**







**Typical Solar Ballast Rooftop System**

*“A strong green energy industry is good for our environment and our economy.”*