SOCKET TO THEM

ConnectDER Meter Socket Adapter (MSA). ConnectDER's MSAs enable broader access to DERs at no cost to ratepayers. MSAs The technology helps homeowners electrify while avoiding service panel upgrades and costly wiring jobs while adhering to the highest standards for safety and reliability. MSAs can help regulators advance electrification efforts at lower cost and serve harder-to-reach communities more effectively. ConnectDER's current MSA products serve residential solar customers; future devices will streamline the interconnection of EVs, heat pumps, and battery energy storage systems.

Across the USA, regulators are being called on to drive a clean energy transition that is effective, affordable, and equitable. When it comes to engaging households in the transition, regulators play a critical role in shaping pathways that enable the adoption of distributed generation and distributed energy resources (DERs). The problem? Interconnection a process that is slow, costly, and inaccessible to households that would benefit from distributed generation the most.

In this pitch, regulators will learn more about a tool that can significantly reduce interconnection barriers, and how they can support its deployment. ConnectDER meter socket adapters streamline the interconnection of residential solar and DERs at the lowest possible cost to homeowners ensuring equitable access to these low-carbon technologies. And making devices like ConnectDER available in every state in the country can happen at no cost to ratepayers.

At the core of ConnectDER's approach is the meter socket adapter (MSA), a tried-and-true technology that is both UL-listed and NEC-compliant. Any qualified electrician can install the MSA between the home's meter socket and the utility's meter, and then connect a solar panel or other technology via a junction at the top of the box.

MSAs solve many of the challenges of interconnecting DERs. First, interconnecting with ConnectDER means that no electrical panel upgrade is required, saving households $1,000 per installation on average and up to $4,000 in some cases. This makes decarbonization and distributed generation accessible to low-income households that would otherwise not pursue these installations, without the use of subsidies that could drive up costs for other ratepayers.

Additionally, MSAs can be installed in under 15 minutes and without an electrician entering the home. This reduces stress on contractors and increases the total numbers of installs that can take place. There isn't enough equipment, labor, or money to keep pace with decarbonization targets MSAs can change that.

Finally, as MSAs continue to develop, they will help states realize the value of grid edge programs that are coming online. MSAs offer the promise of enabling V2X, grid-facing VPP, and demand response capabilities, without requiring installation of additional hardware.

Regulators have a role to play in making meter adapters ubiquitous. ConnectDER is here to help make an accessible clean energy future a reality.