

Technical Assistance Request – DIY Nanogrid

DIY Nanogrid technology is a low-cost, easy-to-install solar energy system that can provide reliable electricity to homes and businesses in remote areas. It is a particularly good solution for Native and Indigenous communities in Hawaii and the Pacific, which often face high electricity rates and lack of access to the grid.

Technical assistance can be provided in a variety of areas, including:

System design and engineering: DIY Nanogrid systems can be customized to meet the specific needs of each community. This includes considering factors such as energy needs, climate conditions, and available land. Technical assistance can be provided in designing and engineering systems that are efficient and cost-effective.

System installation and maintenance: DIY Nanogrid systems are relatively easy to install and maintain, but it is important to have trained personnel on hand to ensure that the systems are operating properly. Technical assistance can be provided in training community members on how to install and maintain the systems.

Workforce training: Technical assistance can be provided in developing and delivering workforce training programs on solar energy and battery storage. This is important for creating a skilled workforce that can support the long-term operation and maintenance of the DIY Nanogrid systems.

Localized manufacturing: Technical assistance can be provided in assessing the feasibility of localized manufacturing and developing a plan to implement it. This includes considering factors such as the cost of labor, materials, and transportation. In addition to these technical areas, technical assistance can also be provided in the following areas:

Funding: Technical assistance can be provided in identifying and applying for funding from various sources.

Community engagement: Technical assistance can be provided in engaging with community members and building support for the DIY Nanogrid technology.

Regulatory compliance: Technical assistance can be provided in ensuring that the DIY Nanogrid systems comply with all applicable regulations.

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