



ENERGY COMPACT SUBMISSION

Energy Compacts have been identified as High Impact Initiative to drive SDG 7 and clean energy goals. The instructions alongside each line item will serve as a guide to support you in this process. All items marked with an asterisk (*) are mandatory. Kindly supplement your application with any relevant files. Please note that by submitting an Energy Compact you indicate a willingness to align with the guiding principles and subject to appraisal against them. You can find the Energy Compact guiding principles here: <https://www.un.org/sites/un2.un.org/files/ec-expression-of-interest.pdf>

Should you require further assistance, please contact us at un-energycompact@un.org with a copy to energycompact@seforall.org.

SECTION 1: GENERAL INFORMATION		PROPONENT NOTES Use this column to add any additional comments
Energy Compact Title	Scaling Digital Community Centers for National Impact in Guatemala	
Proponent name(s) *	New Sun Road	
Proponent type *	Business	
Primary contact name *	Wyster Desir	
Additional contact name(s) *	Susana Arrechea	
Region *	Latin America and Caribbean	Specifically the country of Guatemala

SECTION 2: AMBITION		PROPONENT NOTES Use this column to add any additional comments
<i>Linkages</i> *	SDG 7.1, 7.2, 7.a, 7.b; SDG 1, 4, 5, 8, 10, 17	Installing 3,000 solar-powered DCC contributes to SDG 7 (access to clean energy), SDG 1 (poverty reduction), SDG 4 (quality education), SDG 5 (gender equality), SDG 8 (economic growth), SDG 10 (reduced inequalities), and SDG 17 (partnerships for the goals).
<i>Target</i> *	Install 3,000 Digital Community Centers (DCC) in disadvantaged areas of Guatemala, each with a 3-5kW solar PV system and battery storage, by 2030	

SECTION 3: ACTIONS & OUTCOMES TO ACHIEVE TARGETS		PROPONENT NOTES Use this column to add any additional comments
<i>Relevant target</i> *	Install 3,000 Digital Community Centers (DCC) in disadvantaged areas of Guatemala, each with a 3-5kW solar PV system and battery storage, by 2030	<p>The DCC project aligns with Guatemala's National Electrification Plan and the National Energy Policy 2019-2050, which prioritize expanding electricity access and promoting renewable energy. The project's focus on solar power supports Guatemala's NDC commitment to reduce GHG emissions by 11.2% by 2030, and deploying an additional 12 MW of solar power capacity in rural Guatemala.</p> <p>In addition, focusing the DCC deployment on schools and health clinics in underserved rural areas aligns with Guatemala's National Strategy for Social Development, which prioritizes improving access to education and healthcare in rural communities. This targeted approach maximizes the project's impact on SDG 3 (good health and well-being) and SDG 4 (quality education), particularly in areas with the greatest need.</p> <p>By prioritizing schools and health clinics in the DCC deployment, the project can:</p> <ol style="list-style-type: none"> 1. Enhance educational outcomes by providing students and teachers with access to digital learning resources and improved school infrastructure. 2. Improve healthcare services in rural areas by enabling the use of telemedicine, electronic health records, and online medical resources. 3. Demonstrate a targeted approach to reducing inequalities in access to energy, education, and healthcare, in line with SDG 10. 4. Strengthen the project's alignment with national development priorities and increase its potential for government support and collaboration.
<i>Action(s) & Outcome(s)</i> *	<p>Action 1 - Scaled Deployment of DCC Solar-Powered Systems: Building upon the successful installation of the first 40+ DCCs in 3 regions of Guatemala, scale up the deployment to 3,000 DCCs by 2030. Outcome: 3,000 DCCs installed, each equipped with a 3kW - 5kW solar PV system, battery storage, and satellite internet connectivity.</p> <p>Action 2 - Prioritize Deployment to Schools and Health Clinics: Focus the deployment of DCC solar-powered systems on 1,500 schools and 500 health clinics in rural areas without current access to energy or internet. Outcome: 1,500 schools and 500 health clinics in rural Guatemala equipped with reliable solar power and internet connectivity through the DCC project.</p> <p>Action 3 - Community Capacity Building: Develop and implement training programs for local educators, healthcare providers, and community leaders on the usage and maintenance of DCC systems, focusing on digital skills, entrepreneurship, and leadership. Outcome: Training of 5,000 individuals, including educators, healthcare providers, and community leaders, enhancing community capacity to operate and maintain DCCs.</p> <p>Action 4 - ICT Integration and Digital Services: Equip each DCC with internet access and necessary ICT tools to facilitate educational programs, telemedicine services, and community development initiatives. Outcome: Utilization of DCCs to enhance educational outcomes and healthcare services, with 9000 computers deployed, impacting over 3.5 million people in underserved communities.</p> <p>Action 5 - Women Empowerment and Leadership Development: Establish Women's Leadership Committees at each DCC to manage the centers, foster women-led entrepreneurship, and provide training on digital skills, entrepreneurship, STEM education, and leadership for women and the broader community. Outcome: Empowerment of 75,000 women through digital skills training and leadership opportunities, leading to the establishment of 300 new microenterprises and improved quality of employment for at least 40% of participants.</p> <p>Action 6 - Remote monitoring and control: Utilize the Stellar Microgrid OS™ software platform to monitor, control and manage the solar microgrids and internet access, ensuring system resilience and user-friendly remote monitoring. Outcome: Optimized internet and power performance for the DCC through smart system management.</p>	
<i>Due dates</i> *	2030	
<i>Financial commitment</i> *	USD \$99 Millions	