



High-Level Meeting on Clean and Safe Energy in Refugee Settings: Moving forward on the Clean Energy Challenge (CEC)

Information Pack – Version June 2021

Co-convened by



BACKGROUND: THE GLOBAL COMPACT ON REFUGEES AND THE CLEAN ENERGY CHALLENGE

Global Compact on Refugees and the Clean Energy Challenge

In 2018, the UN ratified the [Global Compact on Refugees](#), a framework for more predictable and equitable responsibility-sharing of refugee situations, providing a blueprint for governments, international organisations and other stakeholders to ensure that host communities get the support they need for refugees and host communities to live productive lives. The Global Compact aims to: *ease pressure on host countries, enhance refugee self-reliance, expand access to third-country solutions, and support conditions in countries of origin for return in safety and dignity.*

Against this backdrop, the international community is called to increase support to refugees and displaced persons. The [Global Refugee Forum](#) is the mechanism by which all stakeholders can commit support to the Global Compact, in which **over 1400 pledges** have been made by governments, private sector, civil society, and refugees.

Stakeholders committed to the Challenge



The [Clean Energy Challenge](#) was launched at the 2019 Global Refugee forum as a global campaign to mobilise support toward the vision: **“All refugee settlements and nearby host communities will have access to affordable, reliable, sustainable and modern energy by 2030.”**

Clean Energy Challenge in Numbers

75 pledges in energy and infrastructure

250+ professionals from **125** Organizations

11 Energy projects proposal presented,
6 Energy projects received UNHCR funding;
4 Energy projects received advisory support

Purpose of this Document

The Clean Energy Challenges aims to:

1. **Increase collective action and responsibility sharing** on sustainable energy for refugees, promoting inclusion in national development planning
2. **Match energy needs in displacement settings to resources available** within the multi-stakeholder group of partners committed to the Challenge

Toward these aims, this document outlines a joint petition and opportunities in need of support within the Clean Energy Challenge.

PART 1: READY-TO-GO PROJECTS AND SUPPORT NEEDED

This document is a tool to **provide visibility to ongoing projects at the local, country and global levels**, in order to create synergies and outline needs for support between partners. The information collected in this deck has been coordinated by the Challenge Secretariat with submissions from partners within the Challenge Action Group ahead of the [High-Level Meeting on the Clean Energy Challenge on 3 June 2021](#) and will be updated periodically.

Please reach out directly to the focal point listed for each project or initiative to express opportunities for support.

PART 2: THE CLEAN ENERGY CHALLENGE PETITION

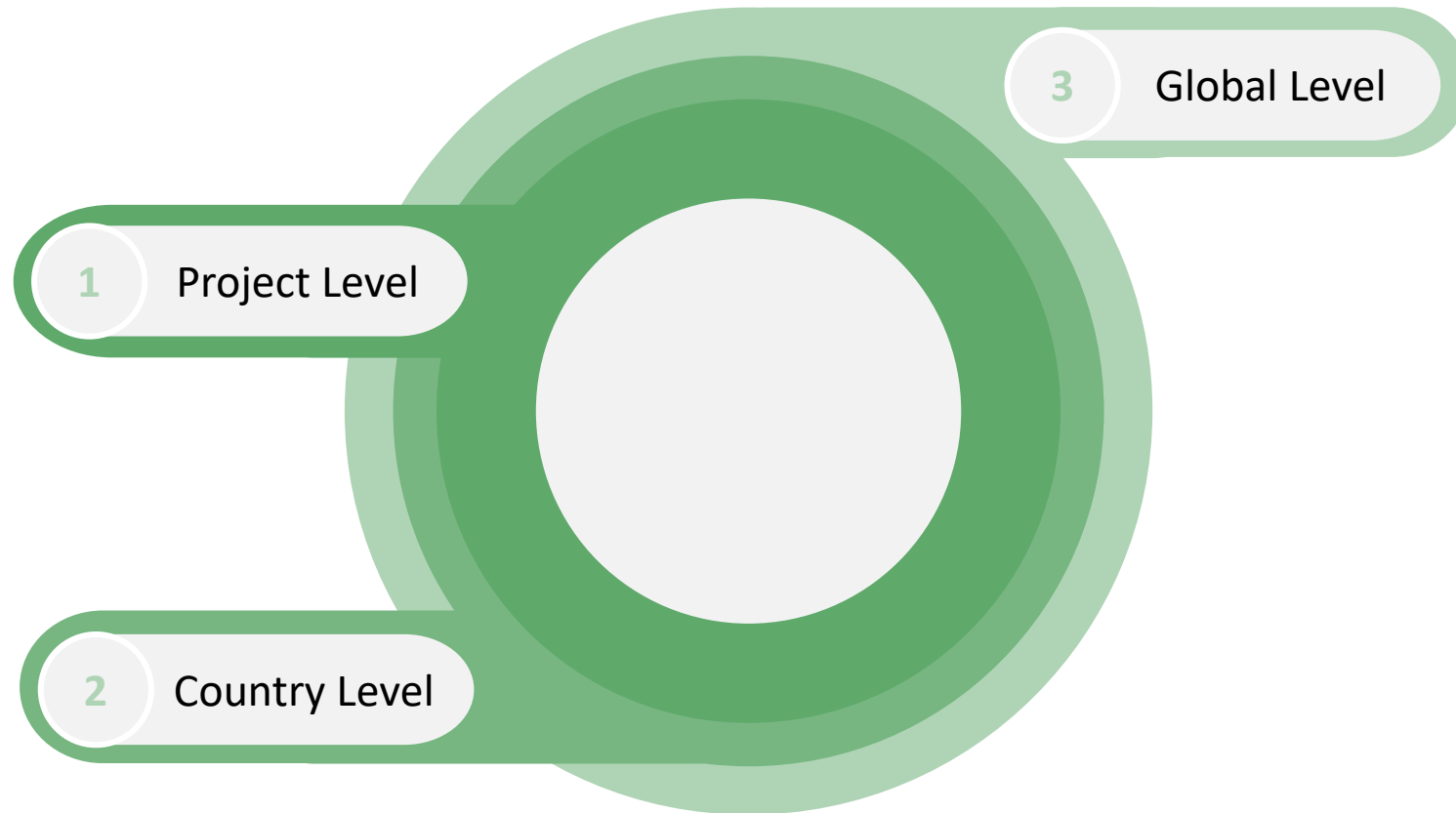
The **Clean Energy Challenge Petition** is a document and set of key recommendations outlining how different stakeholders can commit support to improving clean energy access for displaced people and host communities.

The draft petition is open for comment and signatory in June to August 2021, ahead of the UN High-Level Dialogue on Energy. Access the [draft petition](#) online here.

To sign the petition or be featured in the opportunities for support section, email the Challenge Secretariat ([Christina Gkouvali](#) and [Aimee Jenks](#)).

PART 1: READY-TO-GO PROJECTS AND OPPORTUNITIES FOR SUPPORT

READY-TO-GO PROJECTS AND OPPORTUNITIES FOR SUPPORT ON THREE LEVELS



Project Level Support

MERCY CORPS

AMPERE scale-up



IMPACT / VALUE PROPOSITION

Build on the success of AMPERE to bridge demand and offer of quality solar products for whole of Bidibidi, creating job opportunities for refugees and the retailer network



LOCATION

Bidibidi, Uganda



EVIDENCE/RATIONALE FOR PROJECT

AMPERE pilot demonstrated unmet demand for solar products, sold through different payment schemes to different refugees profiles



SCOPE OF THE PROJECT

Offer to whole population of Bidibidi access to quality solar products and services, leveraging existing partnership with d.light and VillagePower while strengthening retailer network



SUPPORT NEEDED

- Budget: 600K Eur for scale-up phase,
- Logistics support for equipment - coordinate with SCC members and UNHCR on shipping support



CONTACT INFO

Cecilia Ragazzi, Senior Advisor Energy Access cragazzi@mercycorps.org



MERCY CORPS

Enter Energy - Ethiopia



IMPACT / VALUE PROPOSITION

Enter Energy (EE) aims at developing a scalable, sustainable and market-based model for clean energy access that improves living conditions and livelihoods for refugees and host communities while providing clean energy for humanitarian agencies.



LOCATION

Sheder Refugee Camp, Somali Region, Ethiopia will be the focus of the pilot, to be replicated elsewhere in Ethiopia and globally



EVIDENCE/RATIONALE FOR PROJECT

Relocating current energy spent toward clean, reliable and sustainable energy using “whole-of-camp” approach (institutions, humanitarian agencies, households)



SCOPE OF THE PROJECT

Sheder pilot to test and refine the model, pending commitment from anchor customers. Aw Barre and Kabribeyah would follow shortly after. The model is replicable across humanitarian settings.



SUPPORT NEEDED

- Linkages with investors (impact, philanthropic)
- Advocacy with humanitarian agencies
- Stakeholder mapping for productive uses of energy



CONTACT INFO

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MERCY CORPS

Journey to Scale - Pay-As-You-Cook adaptation



IMPACT / VALUE PROPOSITION

J2S is providing access to solar electric cookers (ECOCA) that provide lighting and small powering. Including a PAYCook modality would allow for greater payment modalities and flexibility - increasing outreach of the cooker



LOCATION

Bidibidi, Uganda



EVIDENCE/RATIONALE FOR PROJECT

Mercy Corps has very successful experience in PAYGo solar systems in Bib=dibidi and the Pay-As-You-Cook concept is well spread in Uganda for LPG



SCOPE OF THE PROJECT

Including the technical Pay-As-You-Cook feature on the already on-the-market ECOCA



SUPPORT NEEDED

- Budget: Eur 200K
- Linkages with PAYGo providers to harness lessons learnt



CONTACT INFO

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UNHCR Tanzania

Solar Health Clinic Electrification – Nyarugusu



IMPACT / VALUE PROPOSITION

The project aims to address the lack of electricity in the health facilities in the refugee camps in Kigoma region, Tanzania which serves 219,604 refugees in the camps. The project aims to electrify the health facilities using modern photovoltaics with battery backup. Electricity in these facilities will improve the quality of the health services and enhance emergency health service provision in response to the COVID-19 pandemic and other diseases.



EVIDENCE/RATIONALE FOR PROJECT

Major health centers in Tanzania's camps are powered by diesel generators. Smaller health posts are not electrified which limits the services that can be provided and operations to daytime only. Electrification of the main hospital and the health posts will improve health services, increase preparedness in case of disease outbreaks including COVID-19 and reduce CO2 emissions and operational cost through transition from use of diesel generators to solar energy.



LOCATION

Kigoma Region (Nyarugusu camp)



SCOPE OF THE PROJECT

Expected reach: pilot project / scalable



SUPPORT NEEDED

The support can be a mix of cash and in the form of in-kind through provision of equipment. Total cost of the project is equivalent of USD 465,795 (USD 209,885 covering 7 health posts and USD 255,910 covering the main hospital) The cost includes; procurement and installation of the solar PV equipment; training; and administrative costs.



CONTACT INFO

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SIDA

Energy Assessments and Data Collection – Gambella Region, Ethiopia



IMPACT / VALUE PROPOSITION

Sida is funding a study by Sweco, on clean energy in refugee camps. The first phase, which is completed, aimed at mapping out the main components of increasing access to clean energy in camps. The report can be reached at: [LINK](#). The purpose of the second phase is to create a possible pilot project at the Jewi Refugee Camp in Ethiopia, based on the learnings from phase 1.



EVIDENCE/RATIONALE FOR PROJECT

For Sida, the study is a continuation on the work begun with The Green Fund. Sida is looking to develop an innovative, scalable model for electrifying refugee camps and host communities, using refugee camps as anchor clients in order to reduce risks and leverage private investments.



LOCATION

Gambella (Jewi) Refugee Camp, Ethiopia



SCOPE OF THE PROJECT

At the end of the study, Sida hopes to be able to implement the pilot project at the actual camp.



SUPPORT NEEDED

- Data collection on-site
- Assessment of the current legal situation regarding refugees right to work, and construction of infrastructure in camps
- Advocacy or government liaison support



CONTACT INFO

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Smart Communities Coalition (SCC)

Initiative



IMPACT / VALUE PROPOSITION

Co-chaired by Mastercard and USAID, the **Smart Communities Coalition (SCC)** is a platform for collaboration between public and private organizations to improve the delivery of essential services in energy, connectivity and digital tools and create economic growth and livelihood opportunities to forcibly displaced individuals and host community members via technology and partnership solutions.



LOCATION

- Kenya: Kakuma and Kalobeyei
- Uganda: Adjumani, Bidi Bidi, Kiryandongo, Lamwo and Rwamwanja



EVIDENCE/RATIONALE FOR PROJECT

Unique platform that convenes and leverages expertise of private, public, NGO and humanitarian organizations to shift paradigms toward durable service delivery instead of short-term relief



SCOPE OF THE PROJECT

- Continue to serve as a platform for knowledge sharing, matchmaking and project ideation for private, non-profit, humanitarian and public organizations working in connectivity, digital tools and energy access service delivery in displacement settings in Kenya and Uganda
- Organize at least 2 matchmaking webinars for SCC members and collaborators to identify synergies for cooperation in program design and implementation by 2022
- Identify 1 pilot project related to advancing financial inclusion of displaced populations in Kenya or Uganda by 2022
- Publish 2 pilot playbooks on best practices from innovative approaches to energy service delivery in refugee settlements by 2022
- Identify one country for expansion of SCC activities by 2022



CONTACT INFO

www.smartcommunitiescoalition.org
SCC@mastercard.com



SUPPORT NEEDED

- New members and collaborators
- Advice on matchmaking facilitation
- Funding for SCC Secretariat to expand and more effectively facilitate coalition



Smart Communities Coalition (SCC)

SCC Innovation Fund



IMPACT / VALUE PROPOSITION

The **Smart Communities Coalition Innovation Fund (SCCIF)** aims to bring private sector-led innovative solutions to displaced populations and the communities that host them. The fund addresses three strategic pillars – energy, connectivity, and digital tools – to trigger a paradigm shift oriented towards durable service delivery instead of short-term relief.



LOCATION

Kenya and Uganda, with future expansion to additional geographies



EVIDENCE/RATIONALE FOR PROJECT

Dedicated funding vehicle for innovative, private sector-led projects in refugee settlements and host communities



SCOPE OF THE PROJECT

The first SCCIF round is funded by Power Africa and managed by Energising Development and supports four consortia that will soon initiate projects in settlements and host communities in Kenya and Uganda

- Implement four grants that will result in the following in Kenya and Uganda by 2023:
 - 2,500 displaced and local households benefiting from improved energy and business opportunities
 - 2 solar-powered industrial kiosks
 - 1 solar-powered water purification system to serve 800 households
 - 2,000 farmers developing a solar-powered poultry business
 - 20 e-bikes and solar-powered cargo tricycle deployed
- Engage donors to secure a second SCCIF round by 2022



CONTACT INFO

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sccif@giz.de
SCC@mastercard.com



SUPPORT NEEDED

- Funding partners for future SCCIF rounds



USAID
FROM THE AMERICAN PEOPLE



FAO

Integrated Sustainable Energy Solutions for Displacement Settings**IMPACT / VALUE PROPOSITION**

Approximately 90% of refugees living in rural settlements have very limited access to energy (both for cooking and electricity). This often leads to deforestation as well as health risks of using biomass for cooking.

The proposed Sustainable Energy Assessments toolbox will be used in humanitarian settings to collect data and analyse and identify the possible clean energy technologies that have the potential to be deployed in specific contexts.

**LOCATION**

Kenya
Bangladesh

**SCOPE OF THE PROJECT**

Methodology development and pilot

**SUPPORT NEEDED**

- Funding and finance support. (USD 1 Million)
- Partnership development support

**EVIDENCE/RATIONALE FOR PROJECT**

FAO's Energy program has long standing experience implementing techno-economic analysis of renewable energy technologies to support governments in identifying viable energy pathways for both cooking and electricity.

**CONTACT INFO**

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Sustainable Energy and Agriculture Expert

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UN Environment

Unlocking Climate Finance for Humanitarian Energy



IMPACT / VALUE PROPOSITION

Through a dedicated project and focal person at the Climate Technology Centre and Network, UNEP will work in close partnership with UNHCR and other GPA lead humanitarian agencies to unlock climate financing for specific low-carbon energy access projects for displaced persons and host communities, requested or approved by host governments. This will involve developing proposals for GCF and GEF financing, using UNEP's accreditation for projects up to a value of 40m USD.



CONTACT INFO

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 Programme Manager
 Energy Branch, Economy Division, UNEP



EVIDENCE/RATIONALE FOR PROJECT

CTCN can deliver technical assistance and project development in support of the CEC, through its network of National Designated Entity (NDEs). Support to UNHCR and the GPA is listed under commitment #92 in the new UNEP Medium Term Strategy 2022-2025.



SUPPORT NEEDED

Donor investment in a dedicated project portfolio, estimated to cost 350,000 USD per country to finance the entire journey from 'assessment to investment', as per UNHCR's technical guidance in support of the Global Strategy for Sustainable Energy (2019-2024).



Country Level Support

Uganda Country Profile

BACKGROUND & RESOURCES NEEDED

- Uganda is Africa's largest refugee-hosting country, with **1.48 million refugees** from South Sudan, DR Congo, Somalia, Burundi and Rwanda.
- The government of Uganda embraced the CRRF and **includes refugees into national development** and energy planning. The recently developed **Sustainable Energy Response Plan (SERP)** for refugees and host communities outlines a comprehensive roadmap for achieving clean energy access for refugees and hosting communities in Uganda.
- An estimated **USD 286 million over the next 4 years** is required for implementation of the SERP, including **staffing for the SERP Secretariat** in the Ministry of Energy and Mineral Development and dedicated **staff at the district level**, **baseline data** collection, and **dedicated energy access programming** informed by energy baseline data.

CHALLENGES

- E-waste** from distribution of solar products.
- Environmental degradation** - rate of firewood and biomass collection far exceeding supply.
- Low awareness** of clean energy alternatives for cleaner cooking & electrification
- Low electrification rate** in refugee areas and reliance on diesel generators
- Reliance on diesel generators** for humanitarian offices and community services (water pumps, health posts, etc.).

OPPORTUNITIES

Budget information is forecasted over a **four-year period (from 2021-2025)** from the **Uganda Sustainable Energy Response Plan (SERP) for Refugees and Host Communities**.

SERP Strategic Objective 1: ENABLING SUSTAINABLE ENERGY ACCESS

Development of sustainable and effective energy solutions that lead directly to increased access to clean, affordable and reliable energy for refugee and host communities.

Includes baseline data collection and programme development (600 k USD), concrete solutions for cooking & electricity, and training on energy solutions.

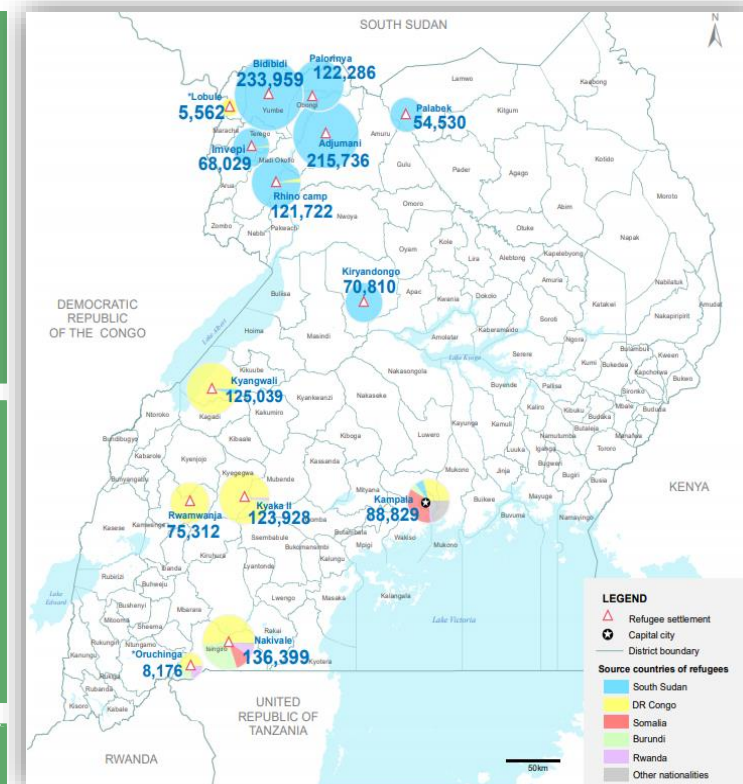
249.1 million
USD

SERP Strategic Objective 2: CAPACITY BUILDING and NATIONAL SUPPORT

Includes enhancing capacity, mobilizing resources and strengthening systems for effective coordination and management of energy programmes targeting refugees and host communities (aligned with national policies and plans).

Includes building local government capacity to implement the SERP and policy support.

37.4 million USD



Source, UNHCR Uganda refugee country map (Feb 2021)

CONTACT

For more information on **specific funding needs** outlined in the SERP, please contact:

Miriam Natabo, Energy and Environment Officer, UNHCR

natabo@unhcr.org

Global Level Support

Global Platform for Action on Sustainable Energy in Displacement Settings

Global Level Support

WHAT IS THE GLOBAL PLATFORM FOR ACTION (GPA)?

- The **Global Platform for Action on Sustainable Energy in Displacement Settings** (GPA) is the central, global initiative to promote actions that enable sustainable energy access and use in displacement settings, as laid out in the [Global Plan of Action Framework](#).
- The GPA Secretariat manages a network of over **200 partners working to promote and contribute to the humanitarian sector's transition to renewable energy**, which will increase efficiency and reduce costs and carbon emissions.
- The GPA is driven by a Secretariat is hosted in the [United Nations Institute for Training and Research \(UNITAR\)](#), and steered by UNHCR, IOM, WFP, FAO, UNDP, UN Environment, Chatham House, GIZ, Sustainable Energy for All (SEforAll), Mercy Corps, Modern Energy Cooking Services (MECS), SNV, International Lifeline Fund, the Clean Cooking Alliance and Practical Action.
- The **GPA Secretariat co-manages the [Clean Energy Challenge](#) with UNHCR** as a part of the GPA.



GLOBAL PLATFORM FOR ACTION



RESOURCES NEEDED

- ❑ Continued political support and pledges on global Humanitarian Energy efforts through the Global Platform for Action (GPA) and Clean Energy Challenge.
- ❑ Technical or financial support working with the GPA Coordination Unit and Steering Group to develop country level energy transition and investment roadmaps for countries hosting large amounts of displaced and host communities.
- ❑ Financial support or fintech expertise to pilot and scale up the GPA developed [Global Guarantee Mechanism](#) to support the UN and humanitarian partners transition to renewable energy.
- ❑ Partnering to scale up existing capacity building initiatives being piloted on inclusive energy programme design for access to energy in displaced and host communities.

CONTACT

Thomas Fohgrub, Head of the Global Platform for Action on Humanitarian Energy Coordination Unit, UNITAR
(Thomas.fohgrub@unitar.org)

NORCAP Energy Expert Roster

WHAT IS THE ENERGY EXPERT ROSTER?

- NORCAP is the **world's largest provider of energy expertise to humanitarian organisations** in the humanitarian sector that are ambitious in changing the way they use energy.
- There are more than **30 energy experts** supporting the strategic partners on mission in African countries such as Kenya, South Sudan, Senegal, Mozambique, Tanzania, Zambia, Egypt and Burundi.
- NORCAP supports the UN, NGOs and civil society to **better coordinate** energy in humanitarian response, improve **access to clean cooking** solutions, and **move away from diesel generators** to clean, renewable energy while collaborating with the private sector.

Resources needed

- ☐ Financial support to the NORCAP Energy Expert Roster, which deploys energy specialists to humanitarian agencies
- ☐ French Speaking energy experts to join the NORCAP Energy Expert Roster



NORWEGIAN CAPACITY
OPERATED BY NRC



CONTACT

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Energy Expert Roster
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UNHCR Global Needs

WHAT ARE THE UNHCR GLOBAL NEEDS?

- UNHCR is entrusted with protection of displaced persons, ensuring that all people of concern to our agency under our mandate are safe from violence, poverty, exploitation, and refoulement.
- The UNHCR 2019-2024 [Global Strategy for Sustainable Energy](#) promotes four strategic action areas:
 - Addressing refugee households' energy needs from the onset of an emergency;
 - Improving access to sustainable, safe and affordable household cooking energy;
 - Expanding sustainable household electrification; and,
 - Expanding sustainable electrification of community and support facilities, while limiting overall consumption.
- Under the Global Energy Strategy and Climate Action Framework, UNHCR works to improve livelihoods and productivity of refugees and hosting communities through access to clean energy.



RESOURCES NEEDED

- ❑ Financial support to UNHCR's innovative finance initiatives, including energy and environment programming, solarization of water services, and greening the blue efforts.
- ❑ Financial and partnerships support to the Worldwide efforts on improving refugee and host community sustainable energy, [as outlined here](#).

CONTACT

Irene Sun, Innovative Finance Officer, UNHCR (sun@unhcr.org)

Christina Gkouvali, External Relations Officer, UNHCR (GKOUVALI@unhcr.org)

PART 2: **THE CLEAN ENERGY CHALLENGE PETITION**



Clean Energy Challenge Petition

Collective Support to Sustainable Energy in Displacement Contexts



The [Clean Energy Challenge Petition](#) is a document outlining how different stakeholders can commit support to improving clean energy access for displaced people and host communities. The petition is drafted for stakeholder feedback and signatory throughout June to August 2021. To provide feedback or sign up to the petition, email the Challenge secretariat focal points [Christina Gkouvali](#) and [Aimee Jenks](#).

To host governments



Include refugees and IDPs in national energy and development planning

Include health / social protection schemes, and financial inclusion efforts



Create a favourable environment for investment

Support private sector decentralized renewable energy (DRE) solutions through enabling policies and programs that are refugee and displacement inclusive

To donor governments and finance partners



Expand development work

Include integrated energy planning in displacement settings, specifically building national and local capacity



Improve data availability

Support feasibility studies and technical assistance for energy programming



Promote Sustainable Investment

Enable large scale energy access through long-term financing and enabling sustained investment models

To private sector actors



Co-design of energy market development and data analysis

Support data collection and analysis of energy access needs with humanitarian implementing partners for market systems and livelihoods development



Long-term local investments and provide expertise

Support in building the energy access business ecosystem and building local expertise in market-based solutions for energy services

To NGOs and all actors



Enable comprehensive energy access

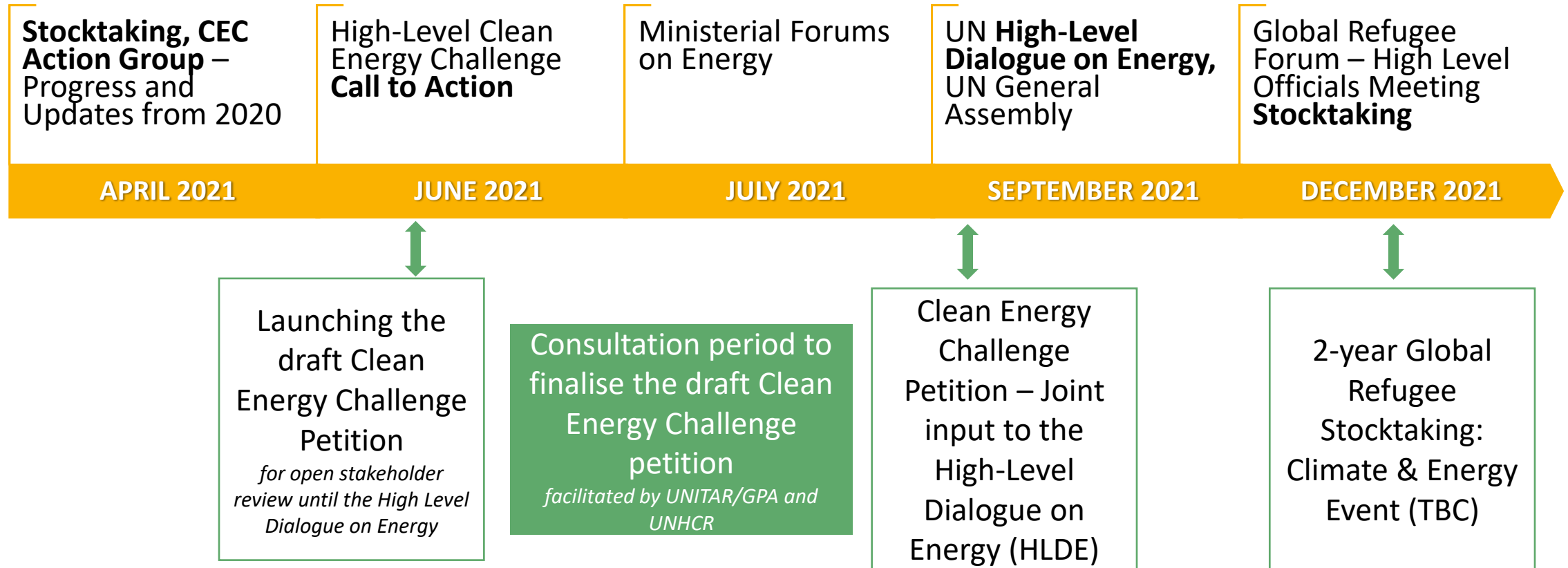
With a focus on humanitarian response, implement projects with livelihoods and climate action components



Inclusive and user centered planning

Engage refugees to enable energy access, in all the phases of the humanitarian programming cycle, ensuring participation is substantive, meaningful and continuous throughout the various phases

Looking Ahead – The Clean Energy Challenge in the International Agenda



SUPPORT OR JOIN THE CHALLENGE!

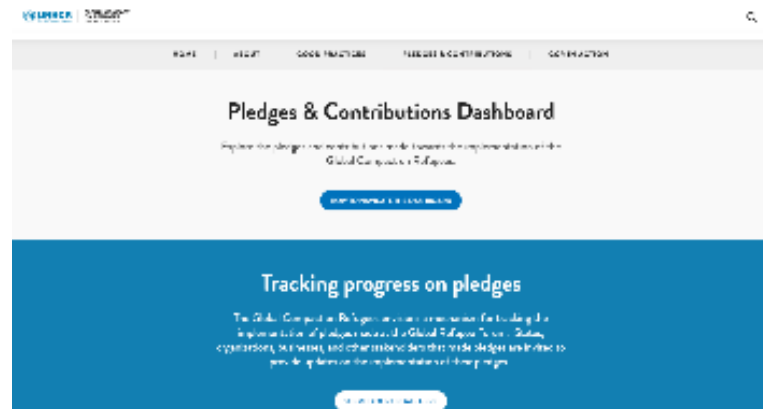
Ways to Contribute to Sustainable Energy for Displaced and Host Communities

Join the Clean Energy Challenge and Sign the Joint Petition

- Request to join the challenge by emailing [Sadiq Zafrullah](mailto:Sadiq.Zafrullah@ec.europa.eu).
- The [Clean Energy Challenge Petition](#) will be open for comment until August 2021. The CEC Secretariat calls partners to sign up to the petition ahead of the High-Level Dialogue on Energy, in September 2021.

Make a pledge to the Global Refugee Forum

- Make a new pledge or update an existing via [UNHCR's GRF Digital Platform for Pledges & Contributions](#)



Share and learn about good practices

- Register a good practice or success story via [UNHCR's GRF Digital Platform for Good Practices](#)



Join the partners at Clean Energy Challenge!

Clean Energy Challenge Vision

“All refugee settlements and nearby host communities will have access to affordable, reliable, sustainable and modern energy by 2030.”

How to connect?

- Contact the Secretariat if you want to be added to this deck or want to be closer engaged in the CEC by emailing [Sadiq Zafrullah](#)
- Join our [LinkedIn group](#)
- Check out the [GPA website](#) and [Clean Energy Challenge website](#)
- Learn more about energy in displacement series through [GPA webinar series](#)
- Stay up to date by subscribing to the [GPA newsletter](#)



The Clean Energy Challenge is facilitated by a secretariat at UNHCR and UNITAR/GPA Coordination Unit, who support facilitating collaboration among members, matchmaking pledges, advocacy at key GRF and Energy sector global events, and connecting country operations to the global humanitarian energy support network of financiers, development actors and private sector.

THANK YOU!