

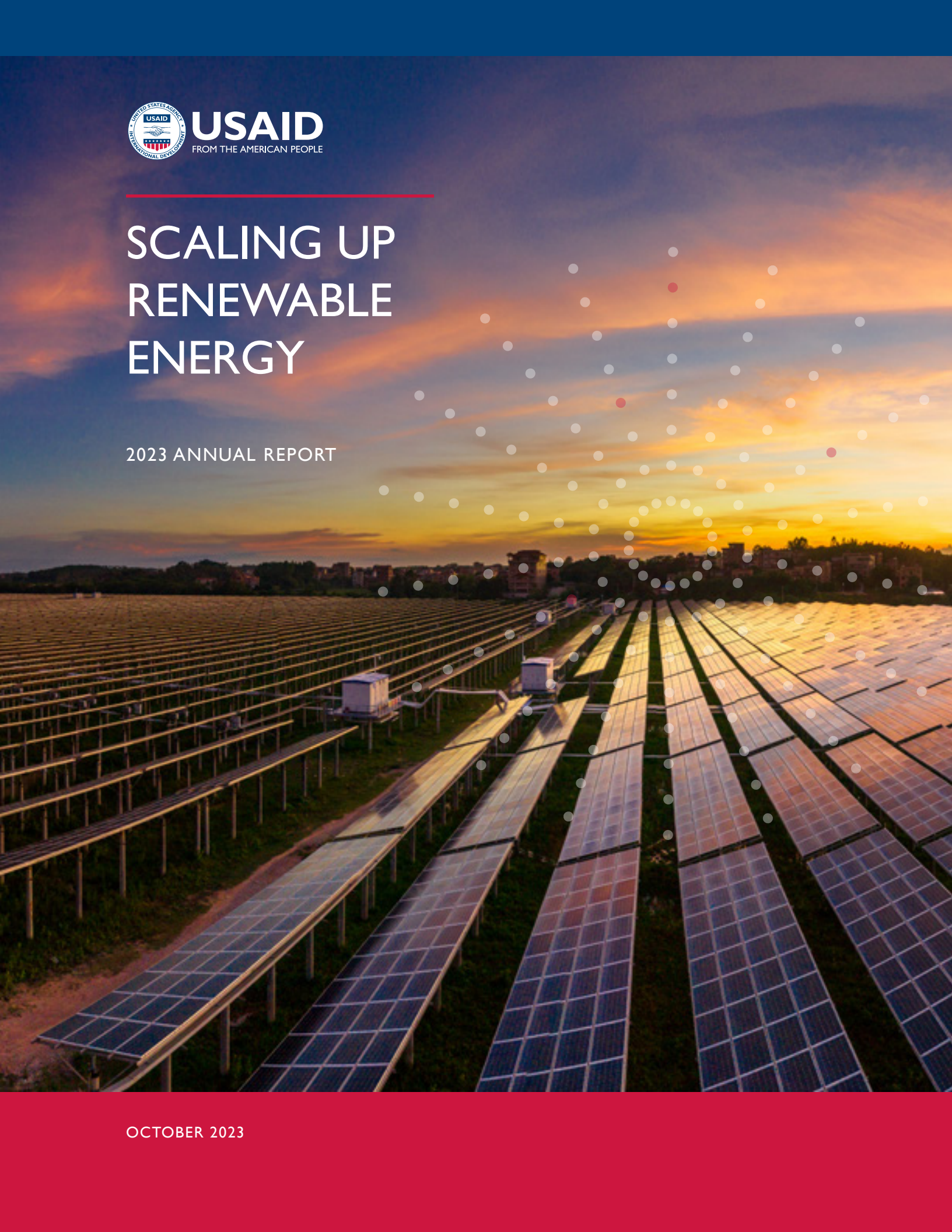


**USAID**  
FROM THE AMERICAN PEOPLE

---

# SCALING UP RENEWABLE ENERGY

2023 ANNUAL REPORT



OCTOBER 2023



# CONTENTS

Executive Summary .....	4
Advancing Strategic Energy Planning .....	8
Increasing Competition and Lowering Costs.....	11
Promoting a Circular Economy .....	13
Catalyzing Innovation and Local Partnerships .....	15
Supporting an Inclusive Energy Transition .....	19
Knowledge Management, Evidence, and Learning .....	25
SURE by the Numbers (2017-2023).....	28



## EXECUTIVE SUMMARY

---

**Through the Scaling Up Renewable Energy (SURE) program, the U.S. Agency for International Development (USAID) helps partner countries meet bold international climate commitments by accelerating their transition to more widely accessible, affordable, reliable, and sustainable energy. As technological advancements continue to drive down renewable energy prices, electricity generated via solar and wind becomes more cost-effective than electricity generated from fossil fuels.**

With the right combination of technical, policy, and [social benefit planning](#), renewables can power economies while opening markets to private investment, combating the climate crisis, and creating local jobs for communities where industry and employment may be limited.

In 2023, SURE worked across the globe, advising governments, utilities, private developers, banks, and others on actions to increase renewable energy deployment and integration, improve electricity access, and power brighter futures for all. Through SURE, USAID helped partner countries accelerate their own transitions to clean energy and move closer to achieving net-zero global carbon dioxide emissions by 2050. Following are highlights from the past year:

- **Increasing Energy Resilience.** In Colombia, SURE provided technical support to help reconstruct and strengthen the resilience of Providencia Island's power grid after a

devastating hurricane. SURE worked with the Ministry of Mines and Energy (MME) to procure a 2.5 megawatt (MW) battery energy storage system to complement a planned 1.8 MW solar farm, and to identify strategies and actions to advance electric mobility (e-mobility) and create the first completely electric transportation system in the country. Providencia's shift toward renewable energy and storage is estimated to reduce diesel fuel consumption by 30 percent and imported fuel costs by over \$450,000 per year. SURE also supported the [Fund for Non-Conventional Energy and Energy Efficiency](#) (FENOGE), a key player in financing Colombia's just energy transition, to implement its first gender and diversity policy and action plan, which will create systemic change to promote gender equality and economic opportunity in the energy sector. The [Climate Change Business Journal](#) recognized SURE's work in Colombia as "a model that other nations with low-carbon ambitions can replicate."

## EXECUTIVE SUMMARY

---



**USAID's SURE program continues to help partner countries accelerate the clean energy transition. This year, SURE empowered 12 USAID partner countries to mitigate climate change, make progress toward their Nationally Determined Contribution targets, and reap the social and economic benefits of renewable energy.**

- **Evidence-Based Decision Making.** In Egypt and Guatemala, SURE assessed the power sectors to provide insightful qualitative and quantitative analysis that can be used to design new development projects. SURE also assessed the draft auction design in Jamaica, where experts identified barriers to investment and recommended improvements based on international best practices. In Ecuador, SURE experts interviewed private companies and government officials to obtain lessons learned from the last energy procurement and identify improvements for the new procurement process. These thoughtful and thorough assessments are helping governments achieve their goals related to energy, decarbonization, and inclusive economic growth.
- **Equity and Inclusion.** SURE is working with utilities in El Salvador and Guatemala to demonstrate how considering gender-based differences in energy needs, uses, and access can increase electricity demand and sustainable revenue for power utilities while supporting women's productivity and economic empowerment. At Distribuidora de Electricidad del Sur (DELSUR), SURE's utility partner in El Salvador, SURE helped identify clean energy and energy-efficient appliances that can help women increase productivity, and is supporting the design of a financing program that will enable unbanked women to pay for the appliances over time through their electricity bill. Increased use of clean energy and energy-efficient appliances expands energy utilization, optimizes power utility operations, increases power utilities' revenue, and supports a sustainable electricity supply.

## EXECUTIVE SUMMARY

---



Wayuu youth participate in the USAID workforce development training in Colombia. © Tetra Tech for USAID.

- **Systems Change.** SURE provided technical assistance to financial institutions to identify, understand, and address existing social gaps between women and the general population and to consider the impacts of policies and programs on disparate groups. SURE is helping Acre Impact Capital build gender-sensitive approaches into its energy project financing models. Acre plans to allocate over \$300 million to countries across Africa by 2028, including financing to women and gender-sensitive energy projects. This will result in more credit and capital flowing to companies that prioritize gender diversity, equity, and inclusion in the workforce and companies whose products respond to the needs of women, girls, and marginalized groups.
- **Supporting Indigenous Populations.** SURE worked with the Colombian vocational training agency Servicio Nacional de Aprendizaje (SENA) to develop a workforce development program in La Guajira, Colombia, that trained 37 young adults, 21 of whom are women, from the Indigenous Wayuu community to enter the local clean energy job market. The trainees completed a nine-month academic course and started internships at a solar systems installation company, where they are acquiring hands-on skills and knowledge on solar photovoltaic (PV) projects. Following a six-month internship, trainees start permanent positions in the company.

## EXECUTIVE SUMMARY

- **Private Sector Engagement.** SURE leveraged private sector expertise and resources to provide sustainable water and electricity services in Senegal and Ecuador. In Senegal, SURE recognized that though business opportunities for solar water pumps existed, banks were hesitant to lend due to a lack of familiarity with the business models. Through SURE, USAID provided four grants valued at \$550,000 that will help buy down the risk for private co-financiers and demonstrate the viability of the business models. The grants will mobilize an additional \$2.1 million to convert diesel and manual water pumping systems to solar. In Ecuador, SURE provided technical assistance to banks and developers to help shrimp farmers access financing for clean energy projects that power their business operations, triple productivity, and reduce emissions and costs from diesel.
- **Testing Innovative Solutions.** SURE trained Wayuu youth on circular economy opportunities in their communities and proven approaches that can be applied to benefit Colombia's clean energy transition. Next year, in partnership with Schneider Electric and the International Rescue Committee, SURE will train young female technicians in Côte d'Ivoire to repair renewable energy equipment, such as off-grid solar installations. SURE is also planning a co-creation workshop to design a pilot activity in Kenya that fosters local ownership and promotes the practical integration of circular economy concepts. By partnering with the private sector and local organizations and communities, SURE's pilot activities aim to reduce emissions and pressure on natural resources, chart innovative pathways to net-zero economies, create much-needed sustainable economic growth and jobs, and reduce supply chain risk.



### Key Achievements

- Assisted governments and utilities in Egypt, Guatemala, Ecuador, and Jamaica to **assess renewable energy auction designs and achieve decarbonization goals.**
- Helped to reconstruct and **strengthen the resilience of the power grid on Colombia's Providencia Island** after a devastating hurricane.
- Delivered \$550,000 in grant funding to convert diesel powered and manual water pumps to solar power in Senegal, which will result in **improved access to clean water for more than 450,000 people.**
- Provided technical assistance to banks and developers to help shrimp farmers in Ecuador **access financing for clean energy projects** that power their business operations, triple productivity, and reduce emissions and costs from diesel.
- Helped to **implement a groundbreaking gender and diversity policy and action plan** with Colombia's Fund for Non-Conventional Energy and Energy Efficiency.
- Worked with utilities in El Salvador and Guatemala to demonstrate the benefits of **valuing women's productivity and economic empowerment.**
- Supported investors to **build gender-sensitive approaches** into their energy project financing models.



© Rimidolove, Envato.

# ADVANCING STRATEGIC ENERGY PLANNING

**Renewable energy markets are rapidly evolving and have become coupled with broader global trends, such as net-zero pledges, urbanization and efforts to create greener cities, inclusive and just energy transitions, development of circular economies, and the increasing role of hydrogen as a nontraditional energy source. With adequate planning, today's decisions address tomorrow's needs and challenges.**

SURE works with government ministries, regulators, and power utilities to assess a country's energy context and needs and develop recommendations to meet its energy goals, support systems transformation, and create social and economic benefits for citizens. SURE applies strategic, innovative, and data-driven approaches to energy planning that help USAID partner countries scale emerging business models, support market integration, and deliver the power system resiliency required by decarbonized, electrified economies in the context of extreme weather events caused by climate change. Using these approaches, countries can support the implementation of net-zero, resilient national and local policies and standards that accelerate the transition to clean energy while promoting economic growth and prosperity.

## **COLOMBIA**

SURE helped the Government of Colombia (GOC) to improve the resilience of Providencia Island by incorporating best practices into energy planning and implementing the SURE-supported energy master plan to increase the integration of variable renewable energy (VRE). SURE also helped improve long-term planning that will help increase private investment and the resilience of Colombia's power grid.

### ***Providencia Island***

After Hurricane Iota hit Colombia's Providencia Island in November 2020, 98 percent of the island's energy and road infrastructure, property, and motor vehicles were damaged. The entire electricity grid collapsed overnight. To help





Providencia Island rebuilt its infrastructure damaged by Hurricane Iota using the Energy Master Plan. © EGT, Adobe Stock.

Providencia recover, the Colombian government decided to rebuild with greener infrastructure. In partnership with SURE and the National Renewable Energy Laboratory (NREL), Providencia Island developed an Energy Master Plan that outlines clear steps to diversify the island's energy mix by installing renewable energy. As part of the Providencia effort, SURE also provided technical support to the MME to procure a 2.5 megawatt (MW) energy storage battery meant to complement a planned 1.8 MW solar farm and define the strategy and action for the development of transport electrification in Providencia.

This year, SURE turned to implementation. SURE supported the MME to adopt a more sustainable, clean energy-based ecosystem in Providencia by promoting electrification of the island's transportation sector.

SURE workshops introduced participants to transport electrification in Providencia and outlined international best practices from the NREL, the United Nations Environment Programme, and Conservation International. SURE moderated a panel discussion with industry experts, including national electric vehicle vendor and service provider Auteco, two regional electric utilities, and a representative from the United Nations e-mobility program. SURE is helping the MME to develop an e-mobility strategy and form an e-mobility working group and Sustainable Mobility Coordination Board. SURE is also assisting the MME to design and implement an e-mobility pilot project and a corresponding community involvement strategy, as well as a strategy with SENA to provide maintenance and after-sales services.

### *Carbon Capture Utilization and Storage*

Colombia is examining innovative energy solutions to power its energy transition in partnership with the private sector. SURE supported the GOC to develop the policy, regulatory, and business environment necessary to attract private investment for climate finance.

The MME requested USAID's technical support to advise on the development of carbon capture utilization and storage (CCUS) regulations along the whole value chain, including carbon dioxide (CO<sub>2</sub>) capture, repurposing, and underground storage. After MME released a draft CCUS decree for public consultation in 2022, SURE facilitated a workshop that convened over 150 local stakeholders, including representatives of government agencies, trade associations, and other groups. During the workshop, SURE provided an overview of global CCUS development, regulatory frameworks, CCUS costs along the value chain, technical risks, project size, and types of projects as well as the market drivers that are facilitating deployment of CCUS projects in the United States. SURE also presented results from its assessment of CCUS potential in Colombia. Preliminary results indicate that various regions have good potential for CCUS deployment and that detailed studies are needed to select the most promising areas for investment. SURE is helping the MME to define and structure potential pilot projects through a series of technical workshops in Colombia and site visits to projects already in operation in the United States. Proper CCUS norms and regulations will enable the country to incorporate CCUS as a viable decarbonization solution in the long run.

### **ECUADOR**

Ecuador's current installed capacity relies heavily on hydropower which makes the country's energy sector vulnerable to climate change and new weather patterns that bring on droughts. As the cost for clean energy and storage technologies continues to decrease, Ecuador is exploring how to transform its power sector toward efficiency and sustainability, while also fostering economic development.

SURE works with the Ecuadorian government and the power system operator (Centro Nacional de Control de Energía de la República del Ecuador, CENACE) to improve medium-term planning that will increase the integration of VRE by incorporating best practices into energy planning. Experts are developing strategies for sizing, securing, and operating the reserves. As a result of these efforts, CENACE will use a technically sound, clear, and replicable methodology to determine the demand for operating reserves. This will help CENACE integrate 500 MW of planned VRE.

SURE also helps improve long-term planning that will help increase the resilience of Ecuador's power grid. SURE experts are enhancing the existing energy planning models to meet rapidly growing demand while diversifying clean energy generation sources. This positions Ecuador to strategically procure and effectively manage an optimal energy mix, increase the resilience of electricity services to climate change, and attract private investment.



# INCREASING COMPETITION AND LOWERING COSTS

© bilanol, Envato.

The [USAID Climate Strategy](#) has set ambitious targets to support the avoidance of 6 billion metric tons of GHG emissions and mobilize \$150 billion of climate finance by 2030. In the energy sector, auctions are the most efficient way to scale renewable energy and achieve these targets.

Regardless of market maturity, [renewable energy auctions](#) help policymakers achieve sustainable cost reductions while spurring private investment, creating local jobs, reducing corruption in the procurement process, and cutting greenhouse gas (GHG) emissions. Through a thoughtful and strategic design process, policymakers can take steps to attract robust competition and diverse bidders, mitigate risk with currency fluctuations, and prevent gaming and delays in project completion.

## COLOMBIA

SURE worked with the MME to procure a 2.5 MW energy storage battery to complement a planned 1.8 MW solar farm and to identify strategies and actions to promote the electrification of transport. SURE supported the procurement process by helping to develop the request for proposals, creating evaluation tables for the technical

and cost proposals, participating in proposal review and scoring, and facilitating contract negotiation and signing. The shift toward renewable energy and storage is estimated to save 30 percent and over \$450,000 per year in imported diesel fuel consumption. SURE's work was recognized with a [2022 Climate Change Business Journal Business Achievement Award](#).

## ECUADOR

SURE is helping the Government of Ecuador to design its next renewable energy tender. SURE experts assessed Ecuador's renewable energy procurement policies and processes and analyzed survey results from private companies that participated in the first procurement for 500 MW of renewable energy. In coordination with MEM, SURE hosted a workshop to present the assessment findings and share lessons learned and best practices from Ecuador's first auction as well as USAID-

supported auctions in Colombia and Mexico. Thirty-nine stakeholders from MEM, CENACE, the Electric Corporation of Ecuador, the Energy and Non-Renewable Natural Resources Regulation and Control Agency, and USAID attended the workshop, applying the lessons to the design of the upcoming tender and identifying possible improvements to Ecuador's auction process. Experts interviewed private companies and government stakeholders to identify improvements for the new RE procurement process. SURE will also help MEM conduct surveys and interviews to assess the Northeast Transmission Line tender, which received no bids. Private participation and financing of transmission can drive efficient power delivery, especially new utility-scale renewable energy that could be located in remote areas.

Continuous improvement to Ecuador's procurement policies will increase transparency, competition, and private investment. It will also result in more efficient energy services—from clean, competitive, and reliable generation—that promote opportunity and equity for communities.

## **SERBIA**

The Government of Serbia held its first renewable energy auction in 2023, awarding 400 MW of onshore wind and 50 MW of solar PV capacities to independent power producers. SURE supported the Serbian authorities with the design of the renewable energy auction by helping to draft three decrees (i.e., secondary legislation, also known as “bylaws,” in the Serbian regulatory context) and develop a ceiling price tool.

When the Serbian Ministry of Energy amended its renewable energy sources law and transferred the responsibility to set the ceiling price from the regulator to the ministry, the SURE team provided a review and comments on topics such as balancing arrangements in the proposed amendment to the law.

Through auctions, Serbia will be able to increase competition and achieve lower energy prices for consumers, reduce emissions, and spur public and private investment, creating employment opportunities.

## **ASIA**

Forty representatives from governments, USAID, and implementing partners from Bangladesh, Indonesia, Nepal, and the Philippines participated in a renewable energy auction knowledge exchange in December 2022, organized by SURE and the USAID Energy Secure Philippines activity. The exchange addressed issues such as setting up the auction design process; ensuring system-friendly procurement through site selection and consideration of dispatchable renewable energy; building a market for renewable energy investments; managing risks between bidders and the off-taker; and implementing renewable energy auctions. At the session for USAID and bilateral program representatives, participants exchanged best practices for overcoming barriers to auction programs and engaging governments when advising on auctions. The exchange spurred discussion; facilitated the sharing of best practices and lessons learned from the Philippines, Kazakhstan, and India; and promoted an accelerated pace for regional energy auctions.

## **GLOBAL**

Power systems with increasing shares of VRE require flexible demand and dispatchable generation. Dispatchable auctions enable energy to be fed into the grid according to system requirements. These auctions also help USAID partner countries to meet climate commitments, procure renewable energy at the least cost, and reduce power system integration costs. SURE conducted a [webinar](#) for more than 40 energy stakeholders on dispatchable auctions, where participants learned new strategies to incentivize renewable energy with energy storage solutions that increase system flexibility. Experts examined renewable energy [auction design elements](#) in Chile, India, Israel, and South Africa to learn how they developed dispatchable generation.



## PROMOTING A CIRCULAR ECONOMY

Participants of the USAID Circular Economy Co-Creation workshop in Côte d'Ivoire.  
© Tetra Tech for USAID.

**The amount of obsolete renewable energy equipment is expected to grow exponentially over the next 30 years. Instead of damaged and decommissioned renewable energy equipment piling up in landfills, the life of materials must be extended beyond its original intended use. In a circular economy, parts and materials have multiple life cycles and re-entry points into the market as they are systematically recovered, reused, and remade.**

A circular economy for renewables can reduce GHG emissions and pressure on natural resources, chart innovative pathways to net-zero economies, create much-needed sustainable economic growth and jobs, and reduce supply chain risk.

### **AFRICA**

After securing \$400,000 in USAID funding for the pilot, SURE began exploring a partnership opportunity with Schneider Electric for activities in Côte d'Ivoire and Kenya that would leverage the resources of the private sector and the network and expertise of local partners.

In Abidjan, Côte d'Ivoire, in September 2023, SURE worked with USAID's Advancing Capacity for the Environment (ACE) program to organize a hybrid co-creation workshop to provide off-grid solar industry stakeholders a training on circularity in the off-grid solar industry and an opportunity to contribute to

the design of SURE's vocational training pilot project. SURE used an accessible, collaborative, and inclusive approach to generate local buy-in and excitement and to facilitate local leadership. The co-creation supports Côte d'Ivoire's growing off-grid solar value chain with the aim of strengthening vocational training for off-grid solar entrepreneurs and technicians using a circular economy approach. Fifty-three off-grid sector leaders, government officials, potential co-funders, USAID, and international and local development partners participated in the workshop.

SURE [plans to collaborate](#) with the International Rescue Committee, which implemented Pro Jeunes, a vocational training project funded by USAID; the Mastercard Foundation; and Schneider Electric to boost employment opportunities in the energy sector for 750 young women. SURE will leverage the workshop findings to refine the approach to the pilot project and define parameters for the collaboration with IRC and Schneider Electric.

Vocational training for off-grid solar entrepreneurs and technicians will create sustainable economic opportunities for women and youth, reduce emissions by reducing the need for creating new products, extend the life of off-grid products, and reduce waste.

## COLOMBIA

To support Colombia's inclusive energy transition, USAID partnered with the government to create a local workforce training program tailored to meet the needs of both Indigenous communities and renewable energy companies working in the province of La Guajira.

Thirty-seven students, including 21 women, from 13 communities in La Guajira attended a virtual training by SURE experts in March 2023. The session covered fundamental concepts on the circular economy and the life cycle of renewable energy that the students can apply to community project ideas they developed during the program.

By training Wayuu youth, SURE is creating a pipeline of skilled workers and entrepreneurs who will capitalize on circular economy activities ranging from collection and dismantling to repair, refurbishment, and recycling of end-of-life renewable energy equipment.



Participants of the USAID workforce development program in La Guajira, Colombia. © Tetra Tech for USAID.

## ASIA

More than 100 people participated in Clean EDGE Asia's [Power Sector Learning Series](#) webinar, organized by SURE and the [Southeast Asia Smart Power Program](#). Experts from USAID, Tetra Tech, the World Bank Group, First Solar, and the Global Electronics Council (GEC) explored the use of sustainability ecolabels, such as a new [EPEAT category for solar PV modules and inverters](#), as an effective tool to advance sustainable renewable energy supply chains and promote the transition from a linear economy to a circular economy. Adopting and supporting ecolabels can create a lower-emission supply chain for materials, reduce waste, and create jobs that empower women and strengthen communities. The webinar was published on the [SURE site](#). It garnered approximately 500 page views on YouTube since March 2023 and is the second-most watched of 67 webinars on the [Southeast Asia EDGE Hub's YouTube page](#).

## GLOBAL

In recognition of the global scale-up of solar PV deployment, GEC developed an [EPEAT category for solar PV modules and inverters](#) and recently released the Ultra-Low Carbon Solar Criteria. In addition to providing market recognition for conforming products, the EPEAT label will help purchasers identify manufacturers and procure sustainable equipment. SURE helped GEC promote the use of ecolabels such as EPEAT and identify potential partners to advance a more sustainable renewable energy supply chain.

In addition to featuring GEC in the [Power Sector Learning Series](#) webinar, SURE engaged VeraSol and Solvoz to explore possible synergies with GEC's EPEAT category. [VeraSol's](#) quality assurance program certifies off-grid solar products and appliances. [Solvoz](#) is a procurement platform that hosts a myriad of suppliers and manufacturers and is the go-to for humanitarian agencies and others conducting bulk off-grid renewable energy procurements. While there was no direct alignment for GEC to synergize with either organization, the engagement sparked ideas within the organizations.



## CATALYZING INNOVATION AND LOCAL PARTNERSHIPS

USAID Senior Deputy Assistant to the Administrator visited a SURE grantee in Méréto, Senegal. © Tetra Tech for USAID.

**SURE seeks opportunities to forge new partnerships with local, U.S., and international partners, leverages private and public resources, and taps into innovative solutions that accelerate partner countries' transitions to a clean energy economy.**

Companies, banks, local institutions, and service providers have in-depth knowledge of the local context in USAID partner countries and have developed long-term relationships with important stakeholders. They understand the needs of the communities they serve, invest in local people and solutions, and have built trust with their long-term presence. They are filled with deeply committed people who are personally invested in the energy transition and in seeing their communities prosper.

USAID cultivates new solutions, tests new ideas, and scales what works. By engaging the private sector and local actors, SURE can leverage expertise, increase investment in USAID partner countries, and finance economically viable and sustainable business models that will pave the way to scale up and maintain reliable, clean, and affordable electricity services for local populations.

### **ECUADOR**

#### *Powering Ecuador's Shrimp Industry*

Ecuador is the largest exporter of shrimp in the world, with the majority of producers relying on diesel to power their operations. With approximately 244,000 hectares of shrimp farming off-grid, a tremendous opportunity exists to decarbonize and grow this important industry that creates over 200,000 jobs and contributes 4 percent to the country's gross domestic product. However, local banks have not yet supported developers with larger pipelines and innovative business models in the commercial and industrial sector.

SURE is working with the government, the private sector, and other financing organizations to mobilize public and private financing for competitive, reliable, sustainable energy services. SURE conducted site visits with the Production

Ministry to identify ways to help shrimp producers transition from diesel generators to grid connection. Experts assessed the electrical and financial needs of shrimp producers in Guayaquil by working with the National Aquaculture Commission (CNA) and identifying financing opportunities for a pipeline that includes energy service companies (ESCOs) to support multiple shrimp producers. SURE partnered with Banco Pichincha and Banco Bolivariano, two of Ecuador's most prominent banks, to make the business case to finance sustainable energy projects in the shrimp industry.

Using data collected from stakeholders, SURE experts developed a model to make the business case for private financing of electrification projects against the electricity bill, considering local financing terms, savings from diesel, and credit notes. SURE also worked with shrimp farmers and CNA to develop a pipeline of renewable energy projects worth over \$80 million that would extend the grid to electrify more than 5,000 hectares of shrimp farms a year. The transactions would also displace over 50 MW from diesel generation and eliminate 5,000 tons of carbon dioxide equivalent (CO<sub>2</sub>e) per year. SURE presented the tool, business model, and pipeline of projects to Banco Pichincha and Banco Bolivariano and worked with loan officers to identify high-priority clients to finance. Our experts analyzed repayment timelines of select electrification projects to help the bank understand the market potential and competitiveness of their products in the sector. SURE's work with these banks lays the groundwork to crowd-in international financial institutions for additional shrimp electrification projects.

### **Electric Mobility**

In Ecuador, transport represents 48 percent of energy-related GHG emissions, which in turn make up the largest share of national GHG emissions (46 percent). E-mobility has emerged as a key path to reach Paris Agreement goals and contribute to reducing pollution. Despite strong interest in and favorable conditions for e-mobility, Ecuador is still in an early stage of technology adoption due to barriers such as higher capital

expenditure, local investors' lack of knowledge about the new technology, financial entities' lack of experience in risk assessment, lack of regulation, limited infrastructure and grid integration, and lack of specialized financing mechanisms.

SURE screened projects and financial institutions interested in implementing and financing fleets of e-buses for public transportation and selected Empresa Pública Metropolitana de Transporte de Pasajeros de Quito (EPMTPO) as a partner. SURE will be conducting technical studies to improve existing infrastructure and support acquisition of a fleet of electric buses.



**SURE experts assessed electric and financial needs of shrimp producers in Guayaquil, Ecuador. © Tetra Tech for USAID.**

SURE also secured additional funding to integrate people with disabilities into the Trolebús corridor to comply with the Universal Accessibility Plan, which aims to improve access to the transport system and public spaces for priority attention groups, with special emphasis on people with disabilities in the Metropolitan District of Quito. The pilot activity is expected to reduce 42,000 tons of CO<sub>2</sub> and co-mobilize \$10 million in investment, which will successfully demonstrate e-mobility's financial feasibility and emission reduction benefits to the market.

Successful e-mobility projects led by the government helps build confidence in private developers and financiers to scale-up similar programs in other cities. It also helps the government to understand regulatory aspects that can be improved.





Solar-powered water pump in Sinthiou Mamadou Siré, Senegal.  
© Tetra Tech for USAID.

## SENEGAL

Enhancing market systems and scaling business models can strengthen funding and incentive mechanisms, cultivate new sources of financing, and raise awareness of profitable and sustainable solutions among the private sector and consumers.

SURE awarded four grants totaling \$546,455 to Aquatech Senegal, FlexEAU S.A., and Société de Gestion des Eaux du Sénégal (SOGES) to convert their diesel and manual water pumping systems to solar. SURE also provided grantees with guidance on environmental mitigation and monitoring plans and business support to develop gender policies that better support women as employees and clients.

SURE recognized that though business opportunities for solar water pumps existed, banks were hesitant to lend due to a lack of familiarity with the business models. The four grants will help buy down the risk for private co-financiers and demonstrate the viability of the business models. The grants will mobilize an additional \$2.1 million to convert diesel and manual water pumping systems to solar. This will help maintain continuous water services for remote homes and businesses and promote the adoption of solar water pumps, which reduce operating costs and emissions.

USAID Senior Deputy Assistant to the Administrator Nancy J. Eslick visited SOGES at Mereto in August 2023, where she met with local community members and toured the recently installed USAID-funded solar water pump system. She also met with FlexEAU to discuss their grant and its anticipated impact.



## Water and Energy Nexus

The four SURE grants are expected to:

- Solarize more than 100 sites, improving continuity of service and **access to water for over 400,000 inhabitants;**
- Contribute to the **creation of specialized maintenance jobs;**
- **Enhance local productivity,** including in livestock and agriculture;
- Co-mobilize over **\$2.1 million in additional private investment;**
- Reduce the environmental risks associated with the transportation, storage, and consumption of fuel for generators, including the **elimination of over 400 tons of CO2 emissions per year;** and
- **Establish a sustainable model** that increases the adoption and funding of decentralized renewable energy equipment by renewable energy developers, financial institutions, and rural communities.

SURE designed and announced three new grant opportunities in 2023 and promoted them via email blasts, social media, the [SURE Senegal site](#), and an informational webinar:

1. Up to \$300,000 in grants to support eligible for-profit companies selling off-grid solar water pumps in Louga, Saint-Louis, Tambacounda, Kedougou, Kolda, Sedhiou, and Ziguinchor to grow the companies' customer base while reducing the operational and financial risk of entering or expanding in a new market. Thirty nine for-profit companies applied for the grant. These grants will secure financing for new geographies and women groups that have historically been left out.

2. Up to \$475,000 in grants to encourage private sector investment in renewable energy and the use of more solar solutions in agricultural and fisheries value chains in Senegal. Following recent changes in Senegal's commercial and industrial legal and regulatory framework, SURE engaged with sector stakeholders to adjust the grant design to comply with the new law. Eight for-profit companies applied for the grant. SURE's approach incentivizes renewable energy developers to operate in rural areas which has been a challenge.
3. Up to \$600,000 in grants to companies that provide solar-powered cooling, e-mobility, and energy as a service to small businesses that work in agriculture, fisheries, retail, and service industries in off-grid areas. Eighteen for-profit companies applied for the grant. These grants encourage the development of sustainable business models that are essential to increasing financing and adoption of decentralized renewable energy equipment.



Focus group discussion in Gourel Saedi Mali, Senegal.  
©Tetra Tech for USAID.

The SURE Senegal site has been an important tool to get the word out about the grant opportunities and provide application information. This year, the site had 3,687 page views.

SURE will continue to review grant applications and will soon make awards to eligible for-profit companies. By supporting

market-driven solutions powered by renewables, SURE will help the Government of Senegal and the private sector to promote inclusive economic growth, enhance livelihoods for women and youth, and meet its goal of 10 percent emissions reduction by 2030.

## UGANDA

Uganda is currently hosting the largest number of refugees and asylum seekers in East Africa: over 1.2 million, primarily from South Sudan, the Democratic Republic of Congo, and Burundi. The UN Refugee Agency works with the Government of Uganda through the Office of the Prime Minister, other UN agencies, nongovernmental organizations (NGOs), and civil society to provide protection and support to these groups.

Rwamwanja is one of these settlements. According to the [United Nations High Commissioner for Refugees](#), 82 percent of the 85,729 people living in the camp were women and children as of August 2022.

SURE is working with Power Africa and the USAID Mission in Uganda to make electricity reliable, accessible, and sustainable for vulnerable groups like women and children by constructing two mini-grids in the villages of Ntenungi and Kyempango in the Rwamwanja settlement. SURE is recruiting two local mini-grid companies to design and construct the mini-grids. SURE will work with the mini-grid companies to use an innovative and gender-inclusive design approach on issues such as business model choices, community consultations, job opportunities, and productive use of energy including income-generating activities. SURE will also support a concession agreement between the government and mini-grid companies to promote the sustainable operation of the mini-grids.

The mini-grids in Kyempango and Ntenunji are expected to connect over 600 customers in households, microenterprises, schools, health centers, and prayer centers to drive economic development opportunities for refugees and host communities.

Construction is expected to start in March 2024, and commissioning is scheduled for November 2024.



## SUPPORTING AN INCLUSIVE ENERGY TRANSITION

Wayuu youth participate in the USAID workforce development training in Colombia. © Tetra Tech for USAID.

**Transitioning away from fossil fuels to clean energy is crucial to addressing the climate crisis, capitalizing on long-term cost savings from renewables, and achieving energy security and resilience.**

SURE is helping USAID partner countries accelerate their clean energy transition and lower GHG emissions by providing analytics and technical support to achieve decarbonization goals and increase private investment in the energy sector. SURE assesses new technologies and approaches that can be applied in their own unique country contexts. SURE also helps policymakers, the private sector, and power utilities account for the priorities of Indigenous people, women, youth, people with disabilities, and other people whose voices have historically been left out of the planning and implementation of energy projects.

The clean energy transition is far-reaching, impacting national economies, people's livelihoods, the environment, and natural resources. Providing USAID partner countries with technical expertise enables them to make evidence-based, informed decisions in each step of the energy transition.

### **COLOMBIA**

#### *Energy Communities*

Colombia's clean energy transition is an opportunity to bring economic and social benefits to people who have not had reliable energy access, including those in rural areas, people living in poverty, women, and youth. In 2023, the Colombian government launched the [energy community program](#) to provide affordable, clean, and safe energy to underserved, unelectrified, and impoverished communities. SURE provided support to define clean energy models and approaches and review draft regulations on energy communities issued by MME. SURE also helped organize and implement four workshops that focused on international approaches to developing energy communities, challenges and opportunities, and design of a pilot program.

### Workforce Development Program for Wayuu Youth

Empowering marginalized communities in underdeveloped areas is essential for an inclusive and equitable clean energy transition.

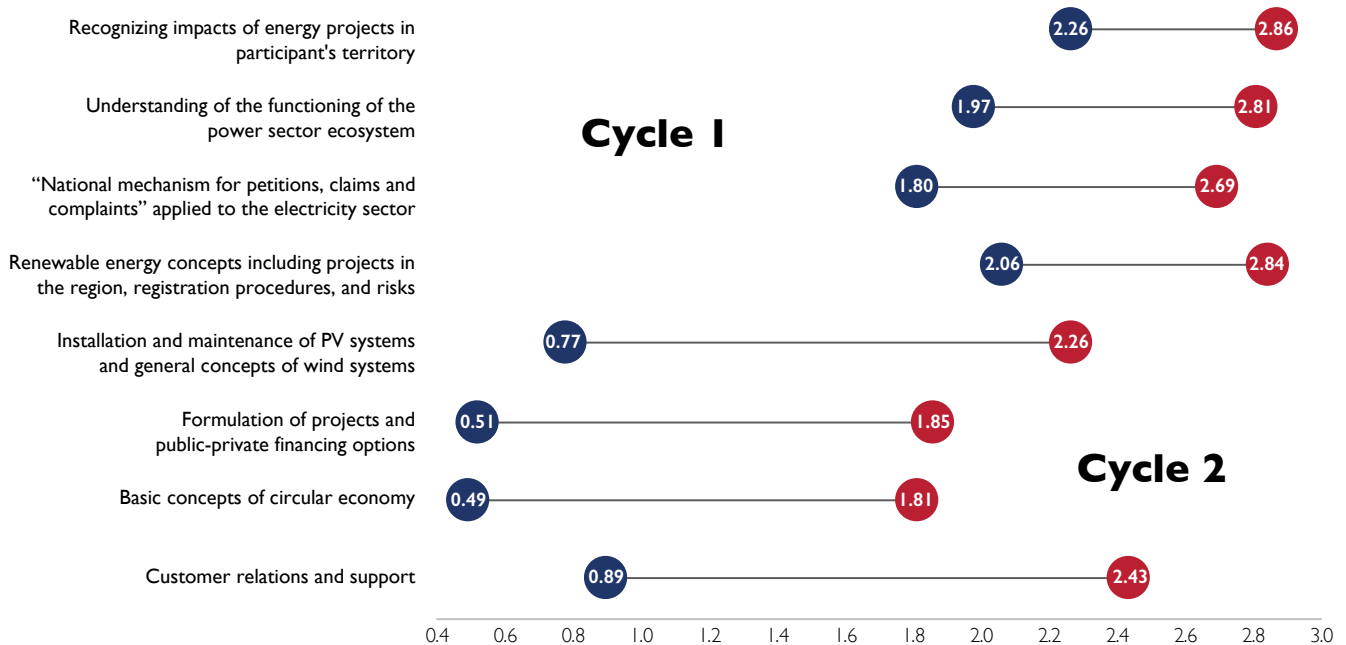
SURE continues supporting the government to promote the inclusive participation of Indigenous communities in the energy transition, including both education and workforce opportunities. SURE partnered with La Guajira's SENA to implement a workforce development program in renewable energy that started in July 2022 and will end in March 2024.

This year, SURE organized workshops, identified replication opportunities, and supported 37 trainees to complete courses in renewable energy, with a focus on wind and solar PV installation and maintenance for off-grid and on-grid applications. The trainees honed their customer service skills,

trained on project administration and logistics, strengthened their English skills, and studied the regulatory frameworks and financing opportunities for community renewable energy projects. Trainees received introductory sessions on developing renewable energy projects that laid the foundation for them to design projects for implementation in their own communities and apply for funding. They developed 11 small solar PV projects that introduced standardization of services, including the conceptual design of solar PV systems. Trainees also participated in workshops and in a USEA-coordinated knowledge exchange, collaboration, and peer-learning day with delegates from Indigenous communities from Canada. A post-program evaluation of "Training Cycle 1 – Introductory course on renewable energy" and "Training Cycle 2 – Technical training on solar and wind energy" showed that trainees gained new knowledge, as illustrated in the graph below.

**Figure 1.** A post-program evaluation of "Training Cycle 1 – Introductory course on renewable energy" and "Training Cycle 2 – Technical training on solar and wind energy" showed that trainees gained new knowledge.

## Knowledge increased across all domains when looking at pre-cycle ● and post-cycle ●



Values represent overall means, where 0 means "no knowledge," 1 means "basic knowledge," 2 means "intermediate knowledge," and 3 means "advanced knowledge."

The trainees are now working as interns at ESCO Energy's solar installations in the north of La Guajira for six months and will then move to a permanent position with the company. As a result of the workforce development program, 37 of the most marginalized members of the Indigenous Wayuu community—women and young adults—have entered the local clean energy job market. MME and SENA have a fully developed, culturally tailored curriculum for a sustainable local workforce training program in La Guajira, and the 13 Wayuu communities where the trainees live have more agents of change to address the climate crisis. USAID also has a proven program that can be replicated in other regions of Colombia.

### **La Guajira Renewable Energy Congress**

SURE and SENA La Guajira, with support from NREL and USEA, planned the *6th International Congress on Renewable Energy: Driver for Regional Inclusive Development* in April 2023. With 400 attendees, the conference facilitated a dialogue between the new administration, youth Indigenous communities, and the private sector on the new energy transition roadmap and national development plan, opportunities to integrate Indigenous communities in infrastructure projects, and innovation and research

opportunities for young leaders. Participants from SURE's La Guajira workforce development program showcased their community development projects, which received preliminary commitments of support from both public and private Colombian organizations, including Colombia's Mining and Energy Planning Unit.

SURE led all event meetings, defined the conference agenda, prepared the conference website and all conference-related documents, promoted the event, recruited 35 international speakers, moderated several panels and sessions, and organized a site visit to a nearby Wayuu community for select delegates.

### **ECUADOR**

Although Ecuador has reached 97 percent electrification, over 200,000 people in the most vulnerable, low-income, and remote communities remain without electricity, including Indigenous communities in the Amazon region.

SURE worked with MEM to relaunch a pilot by conducting a pre-feasibility study and site visit. This unlocked \$120,000 of financing for a mini-grid installation that would provide the underserved rural community of Zancudococha, in



Regional operator and SURE diagnose non-operational diesel generators installed by the municipality in Zancudococha community. © Tetra Tech for USAID.

Orellana Province, with access to reliable electricity. The pilot will develop a community model to service the generation assets remotely with payments from the Autonomous Decentralized Government of Aguarico and end-users to the utility company CNEL (Corporación Eléctrica del Ecuador) to promote sustainable operations. SURE identified economic growth activities that can be fostered through electrification or productive uses of energy, such as milling for cocoa and other agricultural value chains. SURE is working to deliver sustainable energy access in remote areas for persons with disabilities and enhance outcomes for Indigenous populations in Zancudococha through long-term strategic participation of Autonomous Decentralized Governments and other local actors. SURE will support fundraising to cover the estimated \$250,000 budget gap for the project.

## **NAMIBIA**

Green hydrogen and its derivatives are set to become a transformative strategic industry in Namibia. The country's 2021 Harambee Prosperity Plan II estimates that Namibia's Kharas Region stands to attract \$6 billion in foreign direct investment, produce 2 million tons of ammonia, generate annual revenues in excess of \$800 million, and house generation assets of 5 gigawatts (GW) with the capability to produce power at less than \$0.03/kilowatt hour. The Government of Namibia believes that green hydrogen has the potential to contribute significantly to the country's decarbonization efforts while simultaneously providing exports and a spark for industrial development. As a result, communities could see the creation of new jobs and increased private investment, which will in turn create opportunities for local populations, including women.

SURE supported policymakers in Namibia to analyze options for green hydrogen production and export by preparing a series of policy briefs, including on the environmental and social impacts of green hydrogen production. Findings showed that requiring or incentivizing green hydrogen projects to assess and mitigate negative impacts and/or commit to sharing project benefits with local communities helps to keep climate mitigation efforts aligned with other goals, such as local socioeconomic development. Meaningful stakeholder consultations help local communities understand the scope of planned projects and project sponsors address potential negative impacts to communities. They facilitate discussion of a benefit-sharing strategy, including opportunities to integrate gender equality criteria in hydrogen projects.

## **SUB-SAHARAN AFRICA**

Energy-efficiency technologies, policies, and financing reduce electricity costs for businesses and consumers in the long term while creating local jobs and cutting emissions. Energy efficiency also reduces public expenditure in generation capacity and is a cost-effective way to boost competitiveness in industrial and commercial sectors that can spur economic growth.

SURE and the [Energy Efficiency for Development program](#) hosted a [webinar](#) in October 2022 to encourage learning for 75 representatives of businesses, donors, NGOs, and the development industry to explore proven tools for energy efficiency planning and implementation. While promoting the webinar, SURE also directed those who registered to the [SURE technical brief](#), which identifies energy-efficiency opportunities for Sub-Saharan countries.

## SPOTLIGHT:

# Advancing Gender Equality and Social Inclusion

USAID is committed to supporting an equitable and inclusive energy transition where women and historically marginalized groups can participate, benefit, and lead. Through SURE, USAID supports policymakers and companies to identify, understand, and explain the gaps between women and the general population and consider the impacts of policies and programs. SURE provides technical assistance to financial institutions, investors, power utilities, and governments to provide equal access for all to capital, services, products, and opportunities.

Inclusive policies and gender-sensitive programs are essential parts of empowering women, promoting gender equality, creating green jobs, and creating social and economic opportunities.

## GENDER SMART ENERGY INVESTMENTS

Gender lens investing emphasizes the importance of gender equality for the energy transition and aims to channel investment capital toward companies and initiatives that contribute to a more prosperous, equitable, and inclusive society.

By allocating capital to women and catering to women's needs and aspirations while providing equitable financial services, investors can help shift structural gender inequality, resulting in more women starting and growing their businesses. This leads to their greater participation in political and social life. And to companies capturing a larger market share of business from women and increased profits.

### *Acre Impact Capital — Africa*

SURE is helping to change how public and private institutions invest in an equitable, clean energy future. SURE secured a partnership with [Acre Impact Capital](#) that is planning to allocate over \$300 million to countries across Africa by 2028.

Technical experts assessed Acre's gender integration at the organization and investment levels using the [2X Challenge criteria](#) and identified entry points for applying gender considerations across the investment life cycle. With SURE support, Acre developed a gender integration strategy and action plan that includes increased networking with African women and investing associations and gender lens investment training for the fund's personnel and network of contractors. The fund also updated its risk and impact management system, including developing unbiased pre-investment screening and due diligence tools, focused on selecting deals using a gender lens.

SURE is continuing this work with an additional three firms focused on investments in Latin America, the Caribbean, and Africa.

### *Fund for Non-Conventional Energy and Energy Efficiency (FENOGE) — Colombia*

SURE supports financial institutions and investors to make credit and capital of different values, types, and sources more available and accessible to women by strengthening gender equality practices in human resources and business processes.

Since 2021, SURE has assisted the [Fund for Non-Conventional Energy and Energy Efficiency](#) (FENOGE) to generate financial returns and positive social change in Colombia's energy sector. This year, SURE developed a methodology to effectively incorporate gender equality into FENOGE's investment process, operations, and communications and is supporting FENOGE to implement its first-ever gender policy action plan. This work included integration of gender considerations into procurement processes, development of a communications strategy, guidelines for gender-inclusive language and media in marketing campaigns, and gender training for 52 employees. Our experts are also developing a gender-responsive monitoring and evaluation framework that has gender-specific and sex-disaggregated indicators as well as fund-level performance indicators.



Focus group session with community members from El Roble and Las Victorias in El Salvador. © Tetra Tech for USAID.

## **GENDER SMART ENERGY SERVICES**

Considering gender-based differences in energy needs, uses, and access in demand stimulation programs can increase electricity demand and sustainable revenue for power utilities while supporting women's productivity and economic empowerment.

Increased use of clean energy and energy-efficient appliances expands energy utilization, optimizes power utility operations, increases power utilities' revenue, and supports a sustainable electricity supply. Programs that are gender sensitive enable women and girls to reap the full benefits of electricity. More women save time and money performing tasks like pumping water, cooking, and washing clothes by using solar-powered water pumps, electric cookers, and energy-efficient washing machines. This allows them to pursue education, participate in the workforce, or start businesses. Women's productivity at home and in businesses increases and contributes to economic growth.

### ***Distribuidora de Electricidad del Sur — El Salvador***

Most rural areas in El Salvador have access to electricity but low energy use, which is a problem for power utilities and consumers. Low energy use hinders the financial viability, operational efficiency, reliability, and future growth prospects of power utilities and threatens their ability to provide sustainable, reliable, and affordable electricity to consumers.

SURE partnered with El Salvador power utility Distribuidora de Electricidad del Sur (DELSUR) to offer financing and payment schemes for energy-efficient and clean energy appliances that consider gender-based differences in energy

needs, use, and access. Examples include solar water pumps, refrigerators, washing machines, cookstoves, electric cookers, agricultural processing units, and other products that enable income generation.

SURE conducted a rapid country analysis of barriers and opportunities for Gender Smart Energy Services (GSES) in El Salvador and collected qualitative and quantitative data to map out electrification infrastructure, consumption patterns, payment behaviors, and other factors that affect the financial viability of electrification efforts.

Working with DELSUR, our experts conducted a baseline assessment and designed a gender-sensitive demand stimulation program that encourages women to use more electricity. Throughout the project, SURE will use mixed data collection and analysis methods to gain a deep understanding of the program's impact on the utility and its female customers and use lessons learned to tailor the program and increase its scale and impact.

Additionally, SURE conducted a training for 20 DELSUR employees on gender equality and social inclusion in the energy sector to improve women's economic conditions through access to energy and employment.

### ***Empresa Eléctrica de Guatemala, S.A. — Guatemala***

SURE partnered with power utility Empresa Eléctrica de Guatemala, S.A. (EEGSA) in Guatemala to pilot the second GSES program in areas with large Indigenous and other vulnerable populations.





# KNOWLEDGE MANAGEMENT, EVIDENCE, AND LEARNING

© EtiAmnos/Adobe Photo Stock

**USAID is a knowledge-driven organization that works on complex issues, often in challenging, ever-changing environments. SURE’s goal is to make certain that knowledge is generated, captured, shared, and applied systematically and strategically to achieve continuous learning, effective engagement, and organizational improvement.**

## EGYPT

In the face of climate change, Egypt has ambitious plans for scaling up renewable energy and reducing dependence on fossil fuels. The low cost of renewables and high global gas prices make the transition seem economically attractive

against the backdrop of inefficient use of gas in power generation and industry. To support this transition, Egypt will have to balance the demand for reliable and available energy against the desire to mobilize investment in a sector that is still dominated by state-run entities.



SURE is helping the Egyptian government to identify opportunities and plan activities at the nexus of water, food, and energy that support its target of reaching 42 percent renewable generation by 2035, a sharp increase from the approximately 5 percent of renewable energy generation in 2021. SURE’s energy assessment yielded the following findings:

- The largest opportunity to promote decarbonization in Egypt is supporting the government’s Nexus of Water, Food, and Energy program and Energy Wealth Initiative to scale up renewable energy.
- Introducing over 28 GW of VRE requires extensive expansion and modernization programs for Egypt’s electricity grid, paired with greater system flexibility to cope with variable solar and wind integration.
- Advancing key aspects of ongoing power sector liberalization and improving cost-recovery and subsidy performance will promote private sector participation and the scale-up of renewables.
- Distributed renewable energy and energy efficiency can contribute to the 42 percent renewable energy generation target by 2035 while expanding opportunities to work with the private sector and engage women and youth.

Using SURE's analysis and recommendations, USAID will support the Government of Egypt to advance its goals of decarbonization, while promoting equity, inclusion, and job creation.

## **GUATEMALA**

SURE developed an energy sector assessment to identify and plan opportunities where USAID assistance can most effectively help Guatemala's energy sector become more efficient, financially viable, inclusive, and environmentally sustainable. SURE's assessment analyzed the challenges of meeting the country's decarbonization goals and providing equitable sustainable energy for all its citizens. Recommendations included:

1. Strengthening planning and regulations and unlocking barriers to private sector participation in democratization projects.
2. Address institutional challenges as well as technical, operational, and business model weaknesses for reliable, affordable, sustainable, and productive access.

SURE's assessment will enable USAID to make strategic, evidence-based decisions about future programming that will reduce emissions, catalyze the economic development of the country, and mitigate cross-cutting issues that cause migration.

## **GLOBAL**

### ***Auction Tracker and StoryMap***

SURE collects data on USAID-supported renewable energy auctions worldwide. The data help USAID and SURE make programmatic decisions based on evidence; convince the U.S. government, USAID, and country partners that auctions are the best practice for procuring least-cost renewable energy; mobilize investments; mitigate climate change; and measure USAID's progress toward its ambitious climate targets.

SURE collected and analyzed data to update the USAID auctions tracker with new information on Colombia, El Salvador, Guatemala, India, Kosovo, Nepal, the Philippines, and Serbia. USAID's [auctions StoryMap](#), which highlights USAID's leadership role in auction design, planning, and implementation, was featured in [USAID's Climate Strategy One Year in Review report](#) and has been viewed 1,590 times this year and 3,730 times since July 2022. The [White House issued a fact sheet](#) after the Sustainable Development Goals (SDG) Summit in New York that provided an update on the U.S. progress, including data from the auctions tracker.

### ***Climatelinks***

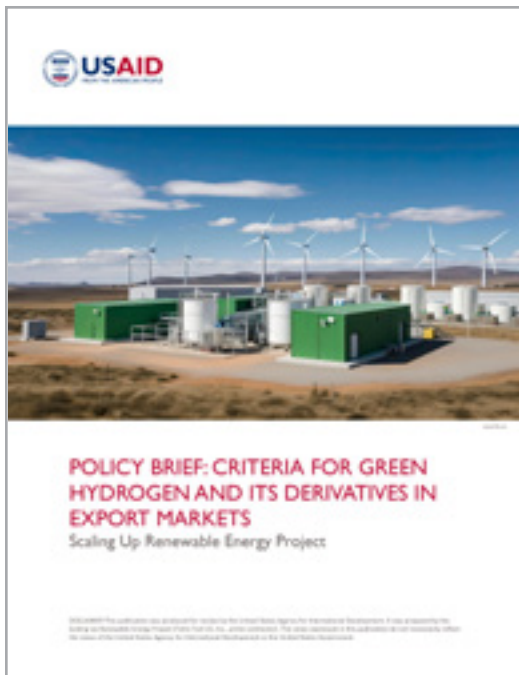
In Senegal, SURE strengthens the private sector with grant funding and business support to promote inclusive economic growth and enhance livelihoods for rural communities, particularly women and youth. SURE published information on three grant opportunities in 2023 on [its bilingual Climatelinks-hosted site](#). Information published on its site included sets of information sheets, press releases, and grant solicitations. SURE also reached out to potential applicants via social media and email. Between October 1, 2022, and September 29, 2023, the SURE Senegal site received 3,687 page views.

Based on the program's work in Colombia, SURE developed new knowledge management products for Climatelinks that were also featured on [USAID.gov](#). New content included three Climatelinks blog posts on [training for Wayuu leaders](#), [profiles of Guajira trainees](#), [SURE's work with FENOGE](#) on climate financing, a [video](#), and a [fact sheet](#).

SURE published two webinar recordings on Climatelinks and USAID.gov to provide stakeholders with insights and best practices and to highlight USAID's thought leadership in the clean energy transition: [Dispatchable Renewable Energy Auctions Webinar](#) and [Exploring Energy Efficiency Opportunities in Sub-Saharan Africa Webinar](#).

## Green Hydrogen Policy Brief

Momentum continues to build around green hydrogen. Production costs continue to fall and are anticipated to drop further over the next decade. Hydrogen also has tremendous potential to help achieve net-zero CO<sub>2</sub> emissions in energy-intensive, hard-to-decarbonize sectors like steel, chemicals, long-haul transport, shipping, and aviation. Getting green hydrogen from the places where it can be most efficiently produced to countries with high demand—such as in the European Union and East Asia—will require new export and import regimes, which can create new economic opportunities.



SURE helps USAID partner countries navigate the evolving green hydrogen industry by sharing knowledge and promoting learning among regulators and project developers in countries that aspire to export green hydrogen and its derivatives. SURE developed a policy brief, [Criteria for Green Hydrogen and Its Derivatives in Export Markets](#), on how to mobilize investment in green technologies and avoid stranded investments caused by a lack of compliance with sustainability standards. The brief also covers hydrogen sustainability criteria, instruments to define these criteria, and a European Union case study.

## USAID.GOV

SURE manages numerous pages on USAID.gov, including the SURE site. When USAID migrated USAID.gov in December 2022, SURE worked with the Sharing Environment and Energy Knowledge (SEEK) project to identify and address technical issues. This year, [SURE](#) published an updated project fact sheet and the [FY 2022 annual report](#). We are also developing a new landing page to house information on SURE's work to accelerate an inclusive energy transition, including gender lens investing, gender-sensitive demand stimulation programs, and workforce development programs for Indigenous peoples.

SURE worked with USAID's The Outlet newsletter and Climatelinks, USAID's global knowledge platform, to promote content on its website. The USAID Chief Climate Officer and the USAID Environment handle promoted a number of SURE resources on social media. Between October 2022 and September 2023, the SURE site garnered 10,043 page views by 10,808 users from 115 countries.

## SURE BY THE NUMBERS (2017-2023)



6,867

persons (2,298 women, 4,569 men) trained in clean energy



93 tools

proposed, developed, adopted, or implemented



681

institutions with improved capacity to address clean energy issues



13

clean energy auctions supported



22

laws, policies, regulations, or standards addressing clean energy or enhancing energy sector governance proposed, adopted, or implemented



112.7 MILLION

tCO<sub>2</sub>e of GHG emissions reduced or avoided from adopted laws, policies, regulations, or technologies related to clean energy



\$8.96 BILLION

of investment mobilized for clean energy



6,785

persons (4,100 women, 2,685 men) trained to advance outcomes consistent with gender equality or female empowerment through their roles in public or private sector institutions or organizations

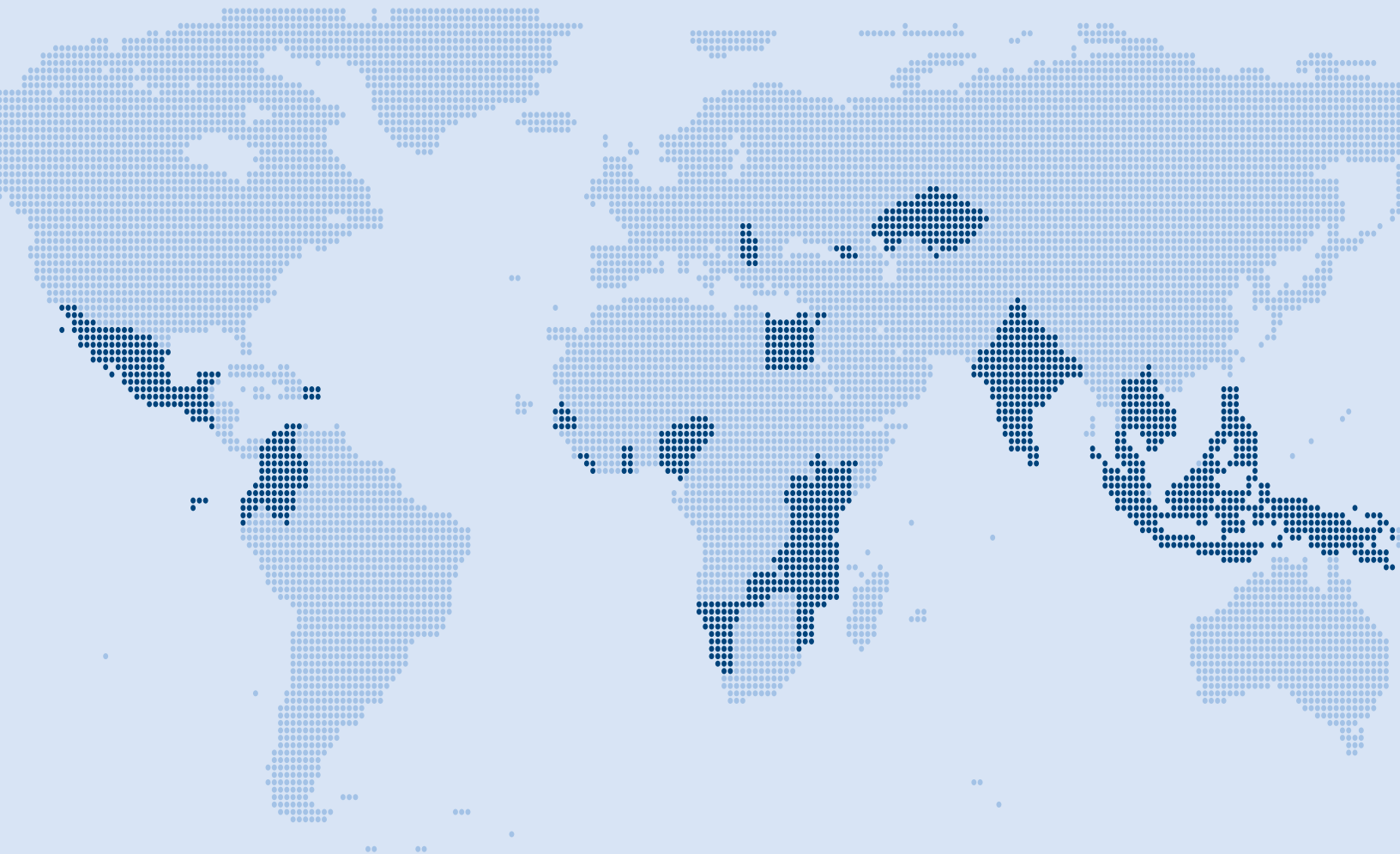


11.5 GW

of clean energy generation capacity procured

# SURE PARTNERSHIPS AND PROJECTS IN 36 COUNTRIES:

BANGLADESH • CAMBODIA • COLOMBIA • DOMINICAN REPUBLIC • ECUADOR  
EL SALVADOR • EGYPT • GEORGIA • GHANA • GUATEMALA • INDIA  
INDONESIA • JORDAN • KAZAKHSTAN • KENYA • KOSOVO • LAO PDR • LIBERIA  
MALAWI • MALAYSIA • MEXICO • MOZAMBIQUE • NAMIBIA • NEPAL • NIGERIA  
NORTH MACEDONIA • PAPUA NEW GUINEA • PHILIPPINES • RWANDA  
SENEGAL • SERBIA • TANZANIA • THAILAND • UGANDA • VIETNAM • ZAMBIA





FOR MORE INFORMATION, CONTACT

Augusta Abrahamse (COR)  
aabrahamse@usaid.gov

Sarah Lawson (ACOR)  
slawson@usaid.gov

Arai Monteforte (COP)  
Arai.Monteforte@tetrattech.com



© sutipond, Envato

**USAID TASK ORDER 7200AA19D00029/7200AA20F00013**

This publication was produced for review by the United States Agency for International Development. It was prepared by the Scaling Up Renewable Energy II (SURE II) project (Tetra Tech, prime contractor).

**DISCLAIMER**

The views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.