ENERGY COMPACTS

2025 ANNUAL PROGRESS REPORT

COORDINATED BY

United Nations | UN ENERGY

SUPPORTED BY

SUSTAINABLE ENERGY FOR ALL

FOREWORD

The world is entering a decisive moment for energy. Choices made today will determine not only whether we meet our climate and development goals, but also how future generations experience prosperity, equity, and security. The Energy Compacts are proving that transformation is possible when ambition is matched with concrete action plans that are then put in motion and monitored over time.

This 2025 Annual Progress Report showcases how governments, companies, cities, and communities are driving real change. From expanding access to clean cooking, to advancing carbon-free electricity and mobilizing finance and innovation, the commitments reflected here show that solutions to advance the global energy transition are no longer abstract — they are investment-ready and are being scaled, adapted, and delivered.

Still, the pace is not yet enough. The Compacts remind us that impact comes from persistence: from setting clear targets, building partnerships, and measuring results year after year. Every milestone reached is a step forward, but every delay carries consequences for people and the planet.

As you read this report, we invite you to see yourself as part of this global movement. Whether by strengthening policies, investing in new technologies, or engaging communities, each contribution matters. The Energy Compact Action Network is driving global change. We commend their leadership and invite others—from across the global community—to join this movement.

Together, we can turn today's momentum into tomorrow's breakthroughs and make sustainable energy the foundation of a fairer, more resilient world.

With appreciation for your commitment and collaboration,

LI JUNHUA
Under-Secretary-General,
UN DESA

HAOLIANG XU
Acting Administrator and
Under Secretary-General of
UNDP, Co-Chair of UN-Energy

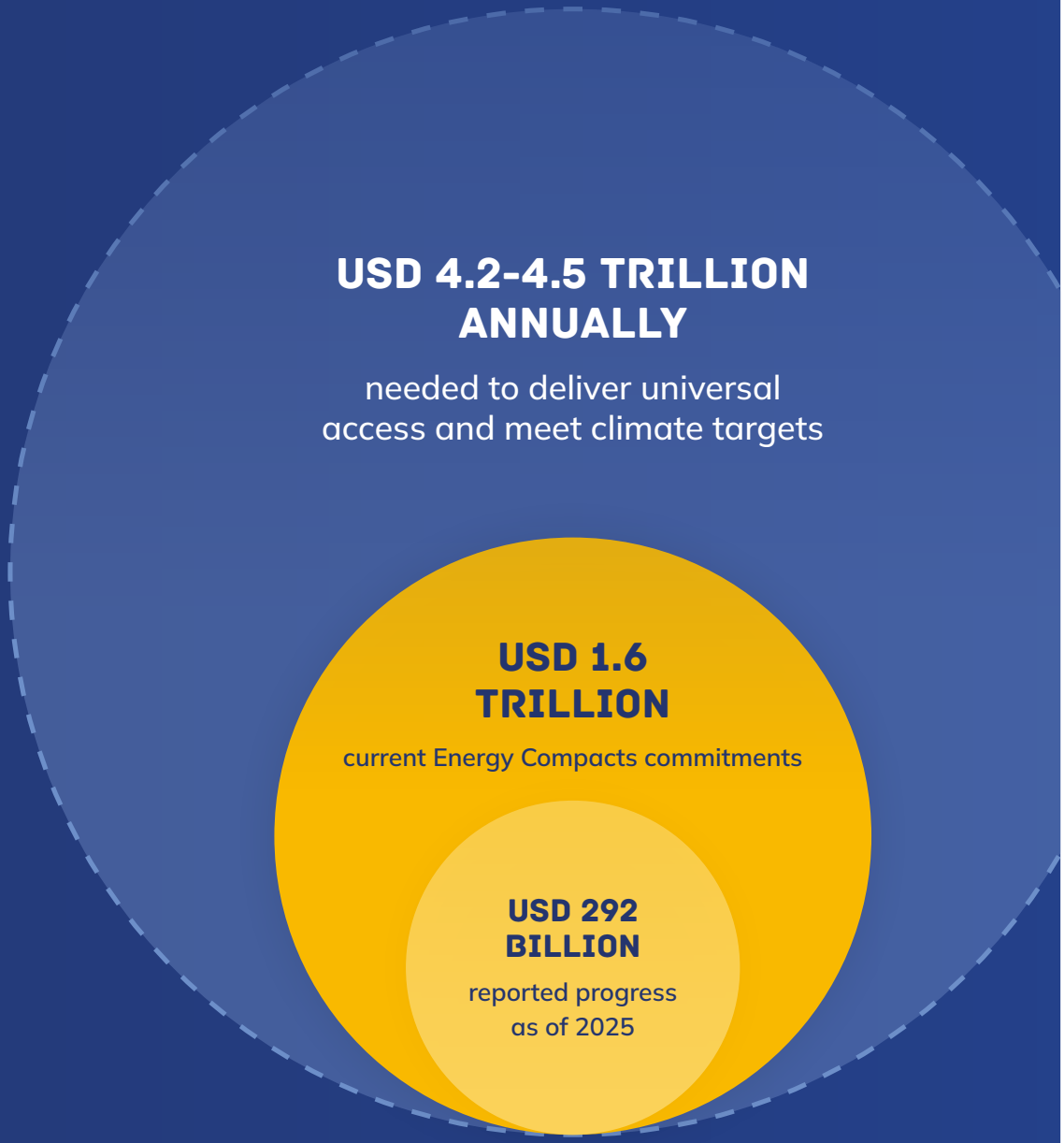
DAMILOLA OGUNBIYI
Special Representative of the UN
Secretary-General for Sustainable
Energy for All; Co-Chair, UN-Energy

KEY MESSAGES

GLOBAL AMBITION AND INVESTMENT MUST GROW EXPONENTIALLY TO DELIVER ON GLOBAL GOALS

With USD 292 billion already mobilized against USD 1.6 trillion committed, Energy Compacts are delivering real progress. This achievement reflects the collective effort of governments, companies, and institutions committed to transforming energy systems.

Yet, to meet global energy access and climate goals, we must move from billions to trillions annually. The Compact model proves that impact is possible. The next chapter calls for broader alignment, deeper investment, and shared leadership to scale this transformation worldwide.



Note: This encompasses figures reported through the Energy Compacts Progress Surveys, as well as intentions to update existing Energy Compacts.

ENERGY COMPACT COMMITMENTS – GROWING AMBITION

As Energy Compact proponents update their commitments to reflect evolving ambitions, the scale of pledged action continues to grow. Financial commitments have risen from **USD 1.4 trillion** to **USD 1.6 trillion**, demonstrating the increasing resources being mobilized. Targets for **electricity access** have expanded from **697 million** to **734 million people**, while commitments for **clean cooking access** have grown from **331 million** to **438 million people**.

These strengthened figures highlight not only higher ambition but also the need for broad support from governments, international institutions, the private sector, and civil society to ensure that these commitments are translated into real impact.

	MEMBER STATES AND PRIVATE SECTOR
AMOUNT OF FINANCE COMMITTED TO BE DEPLOYED/ LEVERAGED (USD)	**1.6** TRILLION
SDG7.1.1: NEW AND IMPROVED ELECTRICITY CONNECTIONS (people)	**734** MILLION
SDG7.1.2: NEW AND IMPROVED CLEAN COOKING ACCESS (people)	**438** MILLION
SDG7.2: NEW INSTALLED RENEWABLE CAPACITY (TW)	**1.2**
SDG7.3: ENERGY SAVINGS (TW_H)	**60**

SDG 3
100 MILLION
ACCESS TO QUALITY HEALTH SERVICE
(no. of people)

SDG 8
2,938,390
GREEN JOBS CREATED
(no. of green jobs)

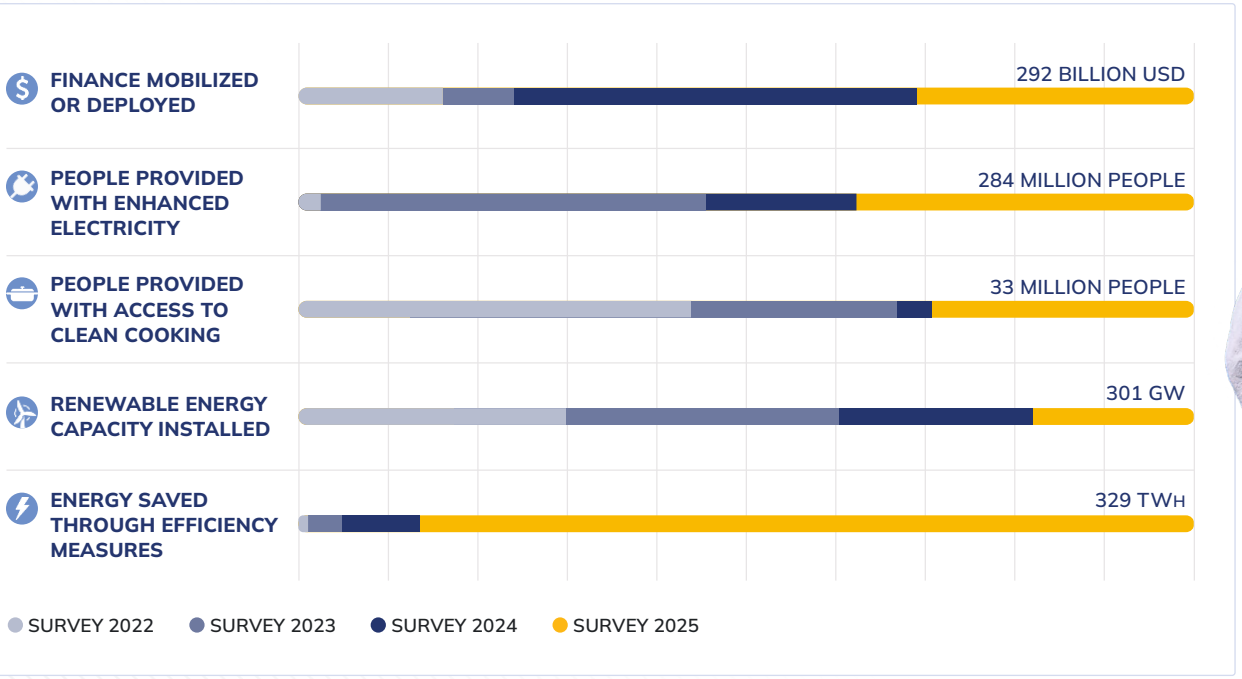
SDG 11.2
153,668
CLEAN TRANSPORT SYSTEMS CREATED
(no. of clean buses, vehicles, or trains)

SDG 11.2
6,515,040
CLEAN TRANSPORT SYSTEMS CREATED
(no. of clean charging and refueling infrastructure)

Notes: Based on simple aggregation. See methodological note.

ENERGY COMPACTS PROGRESS DEMONSTRATES MEASURABLE GAINS ACROSS FINANCE, ELECTRICITY ACCESS, RENEWABLES, AND EFFICIENCY.

Year-on-year, the sharpest increase is in energy efficiency savings, followed by enhanced electricity access; finance and renewable capacity, while clean cooking remains comparatively modest. Broader survey participation this year also allowed a fuller picture of progress to emerge. Still, the global picture remains urgent — 2.1 billion people lack access to clean cooking and 666 million remain without electricity*.



*According to 2025 Tracking SDG7 Report.

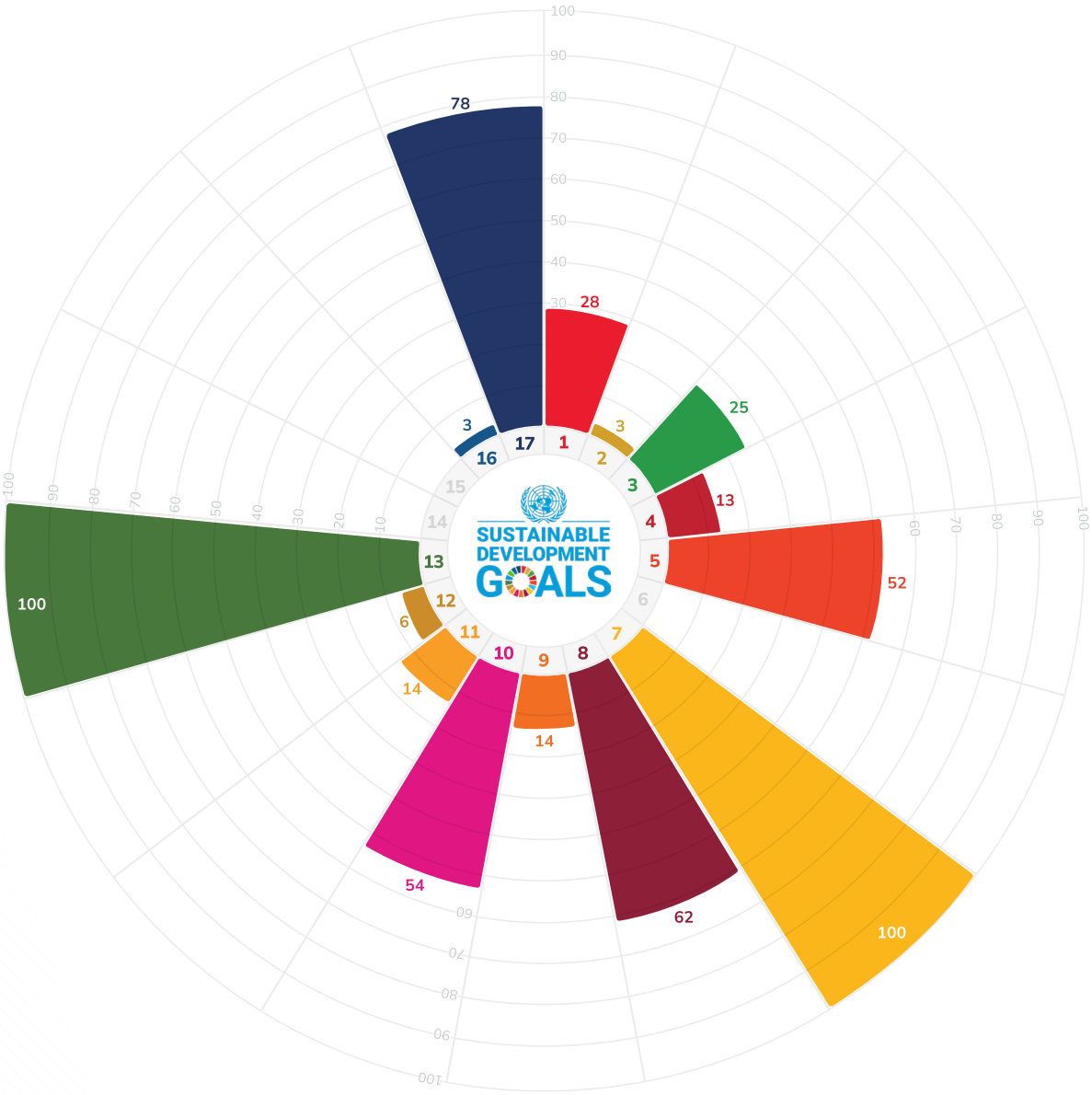
PROGRESS ON SDG7 TARGETS SHOW IMPACT ON SEVERAL OTHER SDGs.

In hospitals and clinics (**SDG 3**), reliable electricity has reached **10,448 facilities**, helping doctors and nurses deliver safer care to more than 26 million people.

In the job market (**SDG 8**), over **2.7 million green jobs** have been created, with **768,000 people** trained to build skills for the clean economy of the future.

Through global partnerships (**SDG 17**), collaboration is growing stronger, with **1,557 agreements signed**, **1,420 stakeholders convened**, and more than **5,200 events** organized around the world.

Energy is proving to be a catalyst, linking progress across health, livelihoods, and partnerships for sustainable development.



Graph represents identified linkages to SDGs based on responses to Energy Compacts Progress Surveys 2023, 2024, and 2025. Indicated values represent the number of proponents with reported action towards the SDG

MULTI-STAKEHOLDER COMMITMENTS EMERGE AS A POWERFUL TOOL FOR COLLABORATION ACROSS VARIOUS SECTORS AND THEMES.

Energy Compacts aren't just about energy; they're about people. Through multi-stakeholder collaboration, initiatives like the Health Facility Electrification Compact, Gender & Energy Compact, and the Just & Inclusive Energy Transition Compact empower communities and drive cross-cutting progress.

As of 2025, 10,448 facilities and counting are being powered through the **Health Facility Electrification Compact**, a collaboration of Power Africa, SEforALL, UNICEF, the Shell Foundation, and others, lighting the way for **26 million people** to access better care.

At the same time, the **Gender & Energy Compact,** led by ENERGIA, GWNET, UNIDO, and SEforALL, is putting women at the center—not just as end-users but as energy leaders, innovators, and entrepreneurs.

Meanwhile, the **Just Energy & Inclusive Transition (JIET) Compact,** birthed under Brazil's G20 leadership, is rallying governments, multilateral institutions, and civil society around 10 voluntary commitments to shape an energy transition that's fair, affordable, and anchored in social justice.

> Through collaboration—from powering 10,448 health facilities and touching millions of lives, to elevating women as energy leaders, to setting a global standard for just and inclusive energy transitions—Compacts are more than commitments: they are a movement for people, built by people.

TABLE OF CONTENTS

CHAPTER ONE

ENERGY COMPACTS

Agent of Action

TRACKING SDG7

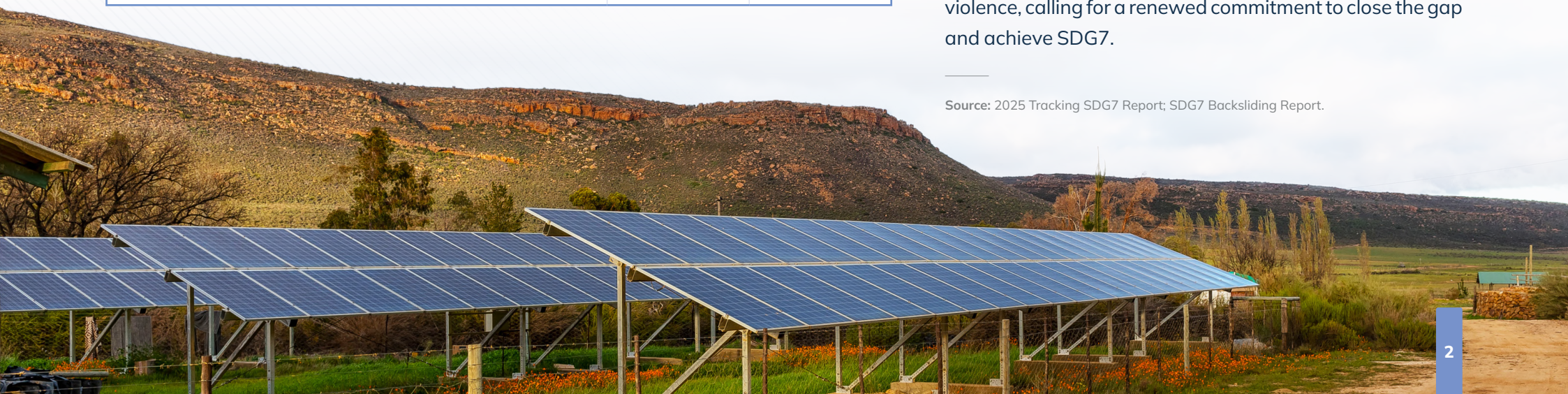
INDICATOR	2015	LATEST YEAR
7.1.1 People without access to electricity	958 MILLION	666 MILLION
7.1.2 People without access to clean cooking	2.7 BILLION	2.1 BILLION
7.2.1 Share of total final energy consumption from renewables	15.6%	17.9%
7.3.1 Energy intensity measured as a ratio of primary energy and GDP	4.26 MJ/USD	3.87 MJ/USD
7.a.1 International financial flows to developing countries in support of clean energy research and development and renewable energy production, including in hybrid systems	12.1 USD BILLION	21.6 USD BILLION
7.b.1 Installed renewable energy-generating capacity in developing and developed countries	248 WATTS PER CAPITA	478 WATTS PER CAPITA

According to the 2025 Tracking SDG7 Report, despite advances, the outlook for achieving universal affordable, reliable, sustainable and modern energy of all by 2030 is dismal. This will have a direct impact on achieving net-zero by 2050.

Electricity access has risen to 92 %, yet 666 million people are still unserved. Clean cooking access has reached 74 %, but 2.1 billion people continue relying on polluting fuels. Renewables now make up over 92 % of new power capacity, though faster deployment is critical. Energy efficiency improvements remain below the rate needed, far from the goal of doubling progress by 2030.

The Tracking SDG7 Report also predicts that going by current trends, the populations left behind are likely to be lower-income, live in remote areas, and face greater conflict and violence, calling for a renewed commitment to close the gap and achieve SDG7.

Source: 2025 Tracking SDG7 Report; SDG7 Backsliding Report.



ABOUT ENERGY COMPACTS

To achieve a just and equitable energy transition that ensures every person, everywhere can live a dignified and productive life on a healthy planet:

WHAT:

Voluntary commitments to advance SDG7 covering energy access and efficiency, clean cooking, a just energy transition, and finance and investment.

WHO:

All stakeholders in the global movements on SDG7 including, but not limited to, governments, international organizations, business, civil society, youth, and academia.

HOW:

Aligning with existing commitments such as Nationally Determined Contributions and net-zero plans covering ambitious actions, policies, finance and investment on SDG7.

WHY:

To provide an inclusive umbrella to support stakeholders and track progress in meeting SDG7 and net-zero targets.

To find out more, please visit https://www.un.org/en/energycompacts/page/about

ENERGY COMPACTS & NATIONALLY DETERMINED CONTRIBUTIONS

As countries begin rolling out the next generation of NDCs, raising the ambition of energy-related commitments has become even more urgent. These pledges are central to aligning national climate strategies with SDG7, ensuring that energy access, renewables, and efficiency remain at the core of global decarbonization efforts. Countries are already taking steps to align their Energy Compacts with updated NDCs.

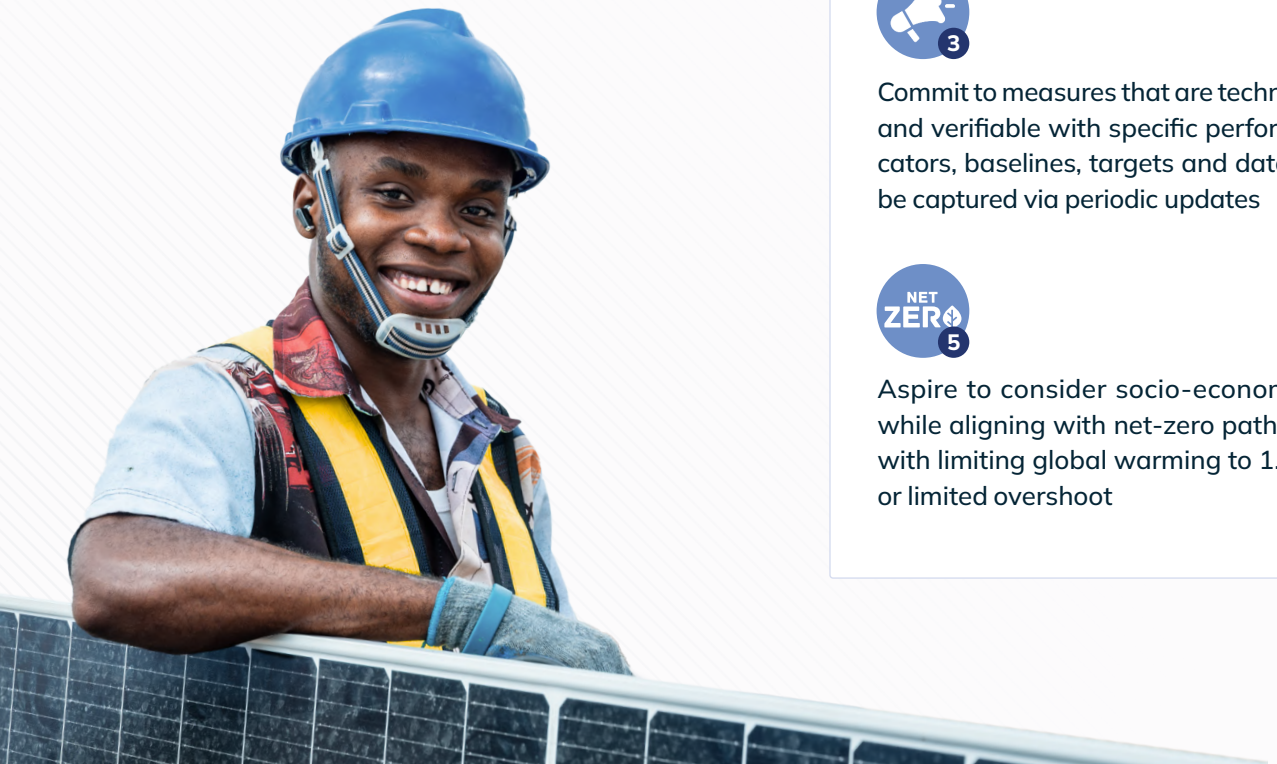
In 2025, Nepal updated their Energy Compact to reflect the progress since 2021 and increase their ambition. This update has been aligned with their NDC 3.0, announced in May 2025, as well as national energy development roadmaps. This has positioned Nepal's Energy Compact as an anchor to their global signal on energy-sector action while also providing clear linkages to the wider climate plans.

Achieving SDG7 requires policy coherence — aligning climate pledges, Energy Compacts, and national priorities into a unified pathway. Energy's role as an enabler of multiple SDGs makes this integration essential, ensuring that progress on climate also advances equity, resilience, and sustainable development for all.

Similarly, **Indonesia's enhanced NDC update (2022)** aligns with the country's national energy policy, reflected in their Energy Compact targets, including raising the share of new and renewable energy in the total primary energy supply from 12.3 % in 2022 to 23% by 2029, reflecting a substantial increase in solar and wind power capacity installations. Indonesia also aims to reduce annual greenhouse gas emissions in the energy sector, aligning with their net-zero-by-2060 goal.

GUIDING PRINCIPLES

Following the release of the 6th Assessment Report by IPCC and the High-Level Expert Group's recommendations for Non-State Actors, the guiding principles of Energy Compacts have been revised and strengthened to offer increased alignment with the urgency of action required. The methods of evaluating new Compacts have also been updated to reflect these changes.



By expressing interest to submit an Energy Compact, proponents commit to align with the following guiding principles:

1. Strengthen and/or add accelerated actions towards the implementation of SDG7 to result in higher cumulative impact compared to existing pathways

2. Broaden the geographical scope and sectoral coverage, ensuring SDG7 actions have coherence and alignment with the implementation of other SDGs and national development plans

3. Commit to measures that are technically sound and verifiable with specific performance indicators, baselines, targets and data sources to be captured via periodic updates

4. Ensure alignment with the Nationally Determined Contributions, and long-term net-zero emissions strategies

5. Aspire to consider socio-economic impacts while aligning with net-zero pathways in line with limiting global warming to 1.5°C with no or limited overshoot

Lack of access to energy is not just a technical problem, it is a human crisis — it stifles economic growth, it limits education and hinders health care, making it impossible to unlock the full potential of millions of people. At the same time, developing countries are being locked out of the renewable energy revolution. Clean energy investments in developing and emerging economies outside of China remain stuck at 2015 levels, with Africa benefiting from less than 1% of last year's renewable installations.

This is why we must ensure that our actions lead to real, measurable progress towards achieving SDG7 — not just about energy access, but about empowering people, driving economic growth, and tackling the climate crisis through ending our reliance on fossil fuels.

AMINA J. MOHAMMED

United Nations Deputy Secretary-General in a video message on Just and Inclusive Energy Transition (JIET) Compact

Source: Just and Inclusive Energy Transition (JIET) Compact | United Nations (link)

CHAPTER TWO

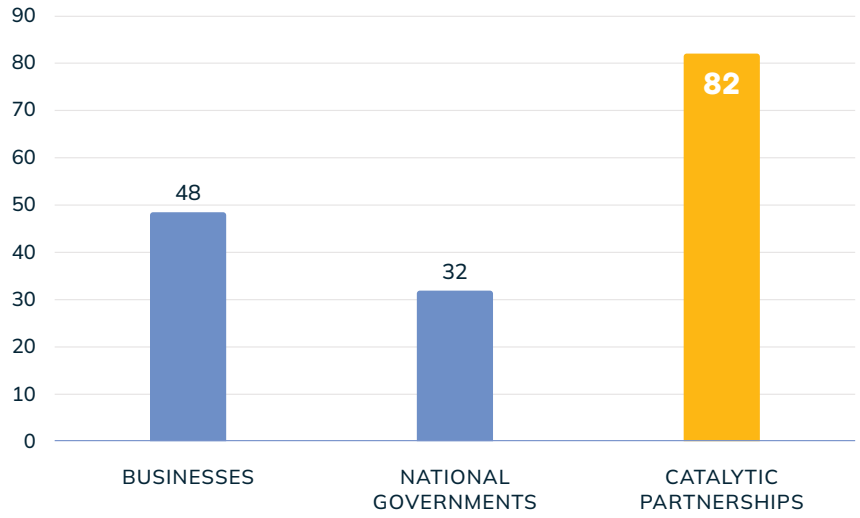
COMMITMENTS

Overview

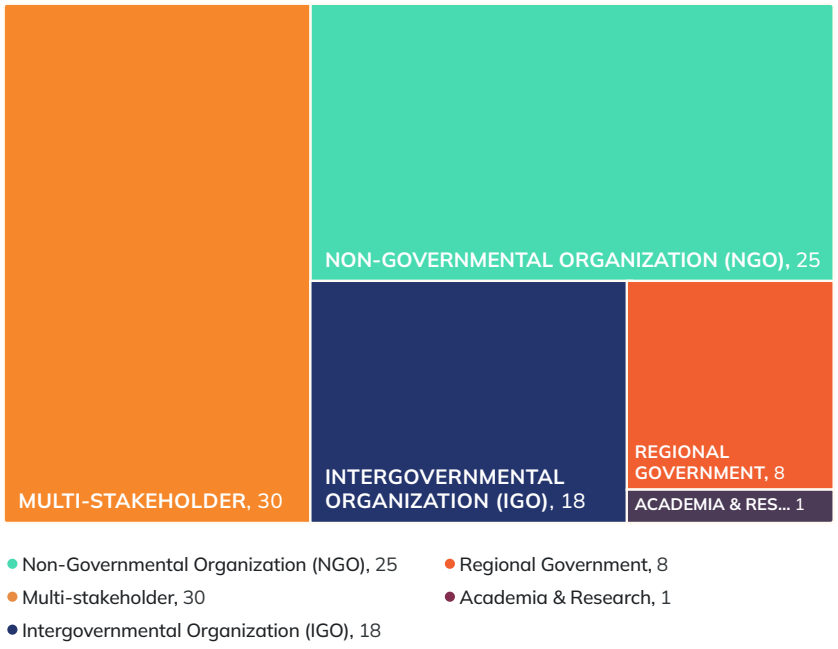
PROPONENT OVERVIEW

Since its inception in 2021, 215 proponents have made commitments towards the Energy Compacts process, with 162 Energy Compacts submissions and 53 expressions of interest. Among the active Energy Compacts, 82 are catalytic partnerships driving significant impact.

ENERGY COMPACTS PROPONENTS BY CATEGORY



ENERGY COMPACTS – CATALYTIC PARTNERSHIPS (82)



Notes: As of 19 August 2025.

Energy Compact proponents are involved in a broad spectrum of efforts, from forming government-wide coalitions to supporting grassroots entrepreneurship. In the private sector, their influence spans various fields, such as energy, technology, transportation, healthcare, finance, and agriculture.

61 MEMBER STATES are involved in the Energy Compact process, contributing either through individual compacts or by endorsing multistakeholder compacts. Among those, **30 MEMBER STATES have an individual Energy Compact**

OVERVIEW OF ENERGY COMPACT COMMITMENTS

	MEMBER STATES	PRIVATE SECTOR
FINANCE AND INVESTMENT (USD)	**1,031** TRILLION	**559** BILLION
ENHANCED ELECTRICITY ACCESS (people)	**415** MILLION	**319** MILLION
ENHANCED CLEAN COOKING ACCESS (people)	**332** MILLION	**116** MILLION
CLEAN ENERGY CAPACITY TO BE DEPLOYED (GW)	**546**	**637**
ENERGY SAVINGS TO BE ACHIEVED (TWh)	**60**	–

CATALYTIC PARTNERSHIPS (Leveraged outcomes)

>2.5 BILLION	**>1.5** TRILLON
ENHANCED ENERGY ACCESS (people)	**FINANCE AND INVESTMENT** (USD)

Notes: Based on simple aggregation. See methodological note.

METHODOLOGICAL NOTE

Energy Compact commitments reflect the ambition of a diverse set of stakeholders and cover actions across varying timeframes. The aggregated figures presented here should therefore be viewed as indicative, since they result from a simple summation that cannot fully eliminate the possibility of double counting across actors. Nevertheless, efforts have been made to ensure a fair and accurate reflection of ambition.

Catalytic partnerships — involving actors beyond governments and the private sector — are listed separately to highlight their critical role in advancing SDG7. Commitments made by governments and businesses that are indirect, leveraged, or at a broad sectoral level are captured under "leveraged outcomes."

Importantly, only commitments set to be realized by 2030 are included in the totals. For electricity access, the figures reflect both new and improved connections, which means aggregated numbers may appear higher than the estimated access gap.

RECENT COMMITMENTS

The full list of Energy Compact commitments can be found on the registry.

NEW & REVISED ENERGY COMPACTS

- European Bank for Reconstruction and Development – EBRD GREEN CITIES
- enel
- INDONESIA ENERGY COMPACT
- Just & Inclusive Energy Transition Compact
- NEPAL ENERGY COMPACT
- SMALL ISLANDS, BIG SOLUTIONS: ACCELERATING SUSTAINABLE ENERGY TRANSITIONS FOR CLIMATE ACTION TOWARDS FUTURE PROSPERITY
- TotalEnergies

CHAPTER THREE

TRACKING PROGRESS

Energy Compacts Progress Survey 2025

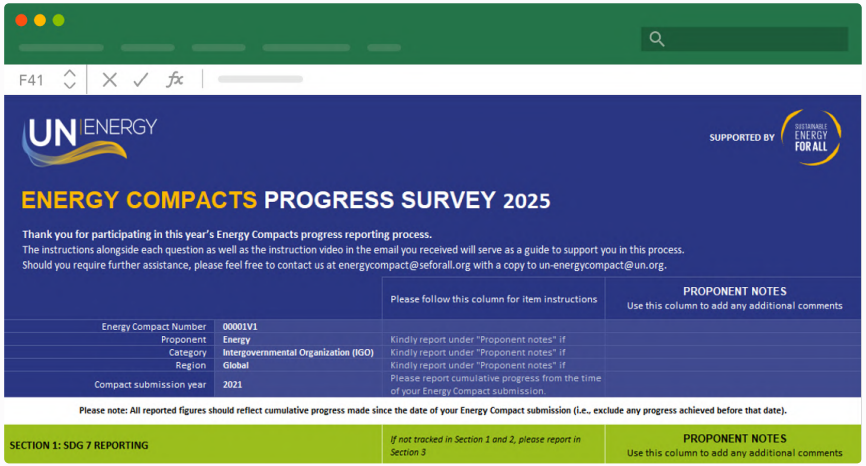
SURVEY 2025 PROCESS

Between April and July 2025, the Energy Compact community engaged in the latest annual progress survey. This year's exercise placed emphasis not only on collecting data, but on making reporting a smoother, more meaningful process for proponents.

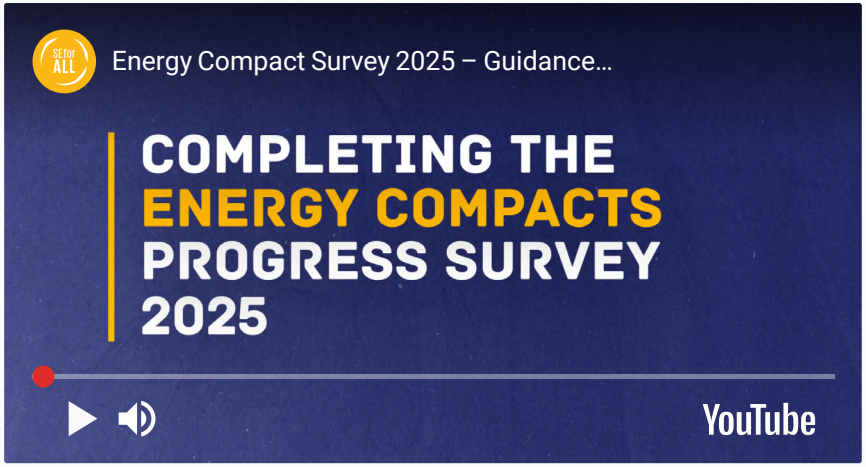
To raise the quality of submissions and encourage wide participation, the survey package was supported by **step-by-step manuals and updated video guidance**. These resources aimed to demystify the technical requirements and ensure that every organization — whether a government, company, or civil society group — could contribute effectively.

A defining feature of this cycle was the focus on **cumulative reporting**. Proponents were asked to present their progress from the start of their Compact up to the latest reporting year, providing a complete picture of achievements to date. This method not only reduces duplication but also creates a consistent baseline for tracking advances toward SDG7.

Overall, the 2025 survey has evolved into more than a data-gathering exercise: it is now a platform for learning, comparison, and accountability, helping the network of Energy Compacts to measure real action against ambitious commitments.



Screenshot: Energy Compacts Progress Survey 2025

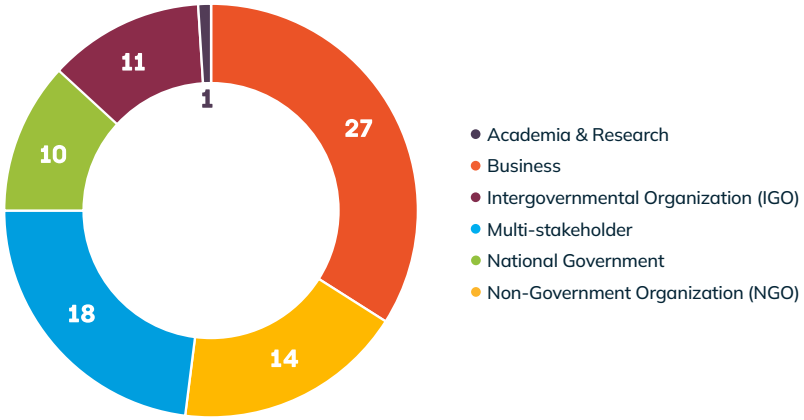


Screenshot: Energy Compacts Progress Survey Tutorial

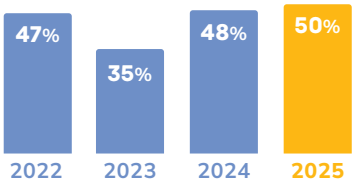
2025 SURVEY RESPONSES

80% ENERGY COMPACTS PROPONENTS REPORTED AT LEAST ONCE DURING 2022-2025

SURVEY 2025 RESPONSES BY PROPONENT TYPE



SURVEY COMPLETION RATE



The **2025 Energy Compacts Progress Survey** drew responses from **81 proponents**, underscoring the network's continued commitment to transparency and collective learning. Over the course of four reporting cycles, **four out of five signatories** have now reported on their progress at least once, a clear sign of the growing culture of accountability within the Energy Compact community.

This year's participation reflected both **breadth and diversity**. While the private sector remained the most active contributor, the survey also received strong engagement from governments, civil society, and international organizations. Submissions covered **all major world regions and economic contexts**, offering a truly global perspective on progress toward SDG7.

Importantly, the **2025 survey achieved its highest completion rate to date**, with half of all eligible proponents submitting reports. This improvement was enabled by refinements to the survey design and expanded support for respondents, resulting in more consistent and comparable data across the network. Together, these outcomes mark a significant step forward in building a credible evidence base to track action against commitments.

*See Energy Compacts Progress Survey Proponent List provided on the following pages

MULTISTAKEHOLDER COMPACTS REPORTING

The second edition of the 24/7 Carbon-Free Energy (CFE) Progress Survey marked an important step forward in capturing the depth and breadth of signatories' contributions. Building on the foundations established in 2024, this year's process moved beyond experimentation and became a more robust, standardized, and outcome-oriented exercise.

Key improvements were introduced to better reflect the practices of the 24/7 CFE community. The survey now places a stronger emphasis on quantifiable outcomes such as the share of reported data which has been hourly matched that make real-time carbon-free electricity possible. By refining the metrics and clarifying reporting guidance, we ensured that submissions captured not just activity, but measurable progress toward impact.

The result is a sharper picture of how the 24/7 CFE Compact is advancing from a principle-based coalition to a results-driven movement. With signatories now reporting cumulative achievements against clearer benchmarks, the survey is beginning to provide the evidence base needed to guide collective ambition and demonstrate the value of acting in unison toward carbon-free energy — every hour, every day.

Similarly, the **Gender-Energy Compact**, led by UNIDO, ENERGIA, GWNET and SEforALL, bringing together a range of signatories to promote a just and inclusive and gender-responsive energy transition, conducted its own progress survey, the results of which are reflected in the overall 2025 Energy Compacts progress report.

Screenshot: 24/7 CFE Progress Survey 2025

ENERGY COMPACTS PROGRESS SURVEY PROPONENT LIST

- 24/7 Carbon-free Energy ●
- ACCESS Coalition ●
- Acciona Energia ●
- Adani Green Energy Limited ●
- Adani Transmission Limited ●
- AES Brazil ●
- African Network for Solar Energy (ANSOLE) ●
- African Renewable Energy Initiative, IRENA ●
- Aid Africa ●
- Alliance for Rural Electrification (ARE) ●
- Association for Supporting the SDGs for the UN (ASD) ●
- Ather Energy ●
- Avangrid ●
- Ayodhya City, India ●
- Basque Country, Spain - Hydrogen ●
- Basque Country, Spain - Prosumer Energy Communities ●
- Bee'ah ●
- Bharti Airtel Limited ●
- Bolivia ●
- BPP-TECH ●
- Brazil ●
- C40 ●
- Central American Integration System (SICA) - Improving Energy Efficiency through Central American Technical Regulations ●
- Central American Integration System (SICA) - Promotion of renewable energy for electricity generation ●
- Central American Integration System (SICA) - Reduction of fuelwood use ●
- Central American Integration System (SICA) - Support and strengthening of non-conventional renewable energy ●
- Central American Integration System (SICA) - Universal Access to Electricity ●
- Chile ●
- Clean Cooking Alliance ●
- Climate Vulnerable Forum (CVF) ●
- Colombia ●
- Cool Coalition ●
- Copenhagen Infrastruture Partners ●
- CPFL Energia ●
- Denmark ●
- D-REC Initiative ●
- EarthSpark International ●
- Economic and Social Commission for Asia and the Pacific (ESCAP) ●
- EDP ●
- EKOenergy ●
- Electrobas & Brazilian Economic and Social Development Bank (BNDES) ●
- Electrochaea ●
- En+ Group ●
- Enel ●
- Energising Agri-food Systems with Renewable Energy ●
- Eni S.p.A. ●
- e-swissolar AG ●
- Ethiopia ●
- Ethiopia – Ethiopian Rural Energy and Development and Promotion Center (EREDPC) ●
- European Bank for Reconstruction and Development (EBRD) ●
- European Commission and International Energy Agency (IEA) ●
- European Commission and International Renewable Energy Agency (IRENA) ●
- Finger Lakes Energy Compact ●
- Fortescue Future Industries ●
- Gender and Energy ●
- Germany ●
- Global Bioenergy Partnership (GBEP) ●
- Global Environmental and Climate Conservation Initiative (GECCI) ●
- Global Off-Grid Lighting Association (GOGLA) ●
- Global Offshore Wind Energy Compact & IRENA ●
- Global Renewables Alliance ●
- Global Wind Energy Council (GWEC) ●
- Google ●

● Reported this year ● Reported at least once ● Never reported

The above list includes the Energy Compact proponents invited to take part in the 2025 survey. The full, regularly updated registry is available at: https://www.un.org/en/energycompacts/page/registry

Graded S.p.A. ●
Haldor Topsoe ●
Health Facility Electrification ●
Honduras ●
HUSK Power Systems ●
Iberdrola ●
IBM ●
Iceland ●
ICLEI - Local Governments for Sustainability ●
India ●
India - Ministry of Railways ●
Indonesia ●
Infrastructure Credit Guarantee Company PLC (InfraCredit) ●
Integrated Urban Energy Systems ●
International Atomic Energy Agency (IAEA) ●
International Renewable Energy Agency (IRENA) ●
International Renewable Energy Agency (IRENA) and Sustainable Energy for All (SEforALL) ●
International Solar Alliance (ISA) ●
Italy ●
ITC Limited ●
Japan ●
JK Cement ●
Johnson Controls ●
JSW Cement ●
JSW Energy ●
Just and Inclusive Energy Transition (JIET) Compact ●
Kenya ●
Kube Energy ●
Lebanon ●
Let There Be Light International ●
Madagascar ●
Malawi ●
Mana Pacific ●
MARCOGAZ ●
Mauritius ●
Microsoft ●
Montgomery County, United States ●
Nauru ●
Neoenergia ●
Nepal ●
Netherlands ●
New Sun Road ●
New Town Kolkata, India ●
Nigeria ●
No New Coal ●
NTPC ●
NYBL ●
Ørsted ●
Panama ●
Pimpri Chinchwad, India ●
Portugal ●
Powerledger ●
Raízen ●
ReEnergy Africa ●
REN21 ●
ReNew ●
Renewable Energy for Peacekeeping ●
Renewable Energy University League of Japan ●
Renewables in Latin America and the Caribbean (RELAC) ●
Rockefeller Foundation ●
Rwanda ●
RWE ●
Santiago Energy Compact ●
Sardinia Electrification ●
Scaling up geothermal heating and cooling globally ●
Schneider Electric ●
SDG7 Youth Constituency ●
Shell ●
Shimokawa Town, Japan ●
SIDS Lighthouses Initiative ●
Sierra Leone ●
Solar Health Uganda ●
Student Energy ●
Sustainable Energy for All (SEforALL) ●
Sustainable Water and Energy Solutions Network ●
Switch Electric ●
Taiyo Juiken & Institute for Global Environmental Strategies (IGES) ●
TotalEnergies ●
Toyama City, Japan ●

● Reported this year ● Reported at least once ● Never reported

The above list includes the Energy Compact proponents invited to take part in the 2025 survey. The full, regularly updated registry is available at: https://www.un.org/en/energycompacts/page/registry

- Under Privileged Advancement by Youth ●
- UN-Energy ●
- United Arab Emirates ●
- United Kingdom ●
- United Nations Development Programme (UNDP) ●
- United Nations Human Settlements Programme (UN-Habitat) ●
- United Nations Industrial Development Organization (UNIDO) ●
- United Nations Industrial Development Organization (UNIDO) - Hydrogen ●
- United States ●
- Vale ●
- World Bank ●
- World Meteorological Organization (WMO) - Climate Energy Services Toolkit ●
- World Meteorological Organization (WMO) - Integrated Global Greenhouse Gas Information System ●
- YOUNGO Energy Working Group ●
- Youth and Energy ●
- Youth for Energy Southeast Asia ●
- Youth Sustainable Development Network ●
- Zambia ●
- Zipolopolo Cookstove Solutions ●

● Reported this year ● Reported at least once ● Never reported

The above list includes the Energy Compact proponents invited to take part in the 2025 survey. The full, regularly updated registry is available at: https://www.un.org/en/energycompacts/page/registry

METHODOLOGICAL NOTE: TRACKING PROGRESS

The Energy Compact Progress Survey 2025 requested proponents to report aggregated values from the time of submission of the Compact to the latest available information. Therefore, data from those who reported in 2022, 2023, 2024, but not in 2025 have also been considered in order to arrive at cumulative progress since 2021. Due to this approach, there are asymmetries in the latest available information.

The estimated progress metrics from the survey serve as an indicative reference against overall Energy Compact commitments as it is a simple aggregation exercise that does not rigorously validate the avoidance of double counting across stakeholders.

The units selected for the progress metrics are shaped by global targets, including SDG7. However, proponents had the option to report on alternative units, and, in some instances, simple assumptions were used in conversion to the uniform unit. For example, when proponents reported access goals in terms of households served, the value was multiplied with average household size to estimate the total number of people served.

The financial figures in this report reflect the amounts that proponents have confirmed to deploy or mobilize. These figures are based on voluntary submissions and represent commitments made up to the time of reporting. Please note that actual deployment may differ, and these figures do not necessarily represent actual expenditures at the time of reporting. Additionally, we do not claim this data to be representative of the entire sector; it pertains solely to the data reported by the proponents of the Energy Compacts Action Network.

In instances where survey responses reflected broad-based or sectoral outcomes, they were categorized as leveraged action and reported separately.

DISCLAIMER:

Nothing contained in this report should be intended as definitive or comprehensive guidance. This report is based on voluntary surveys, and the information provided is a summary and may be subject to change. It was obtained from what we believe to be reliable sources following voluntary disclosures. However, its accuracy and completeness cannot be guaranteed.

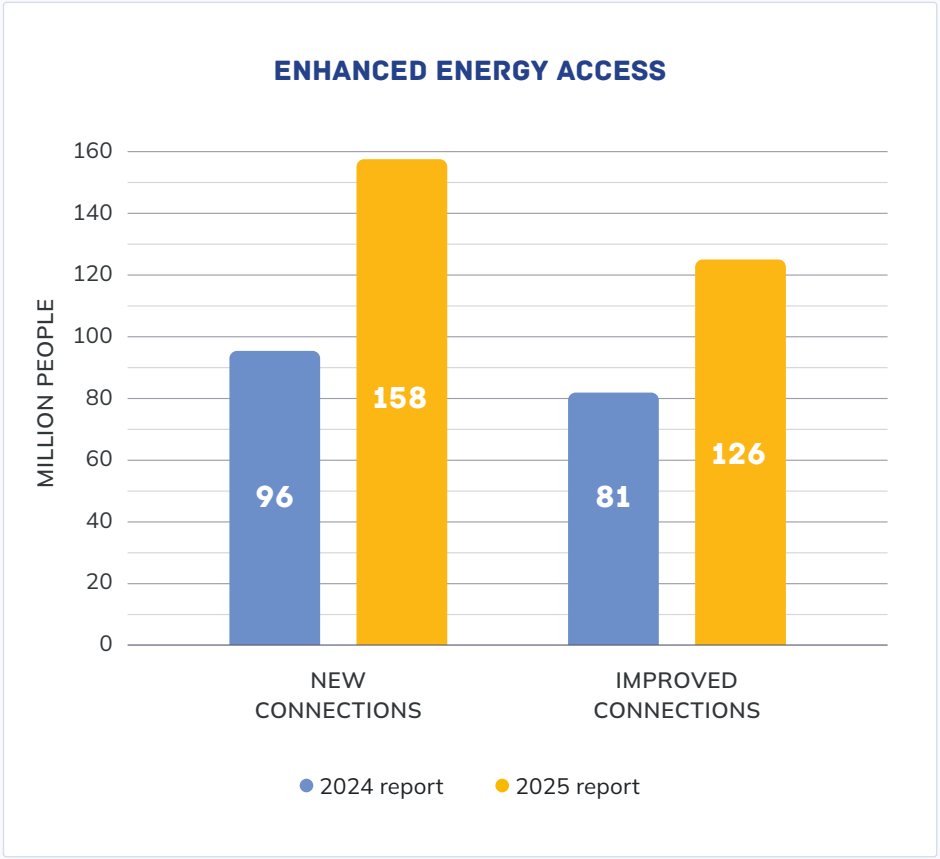
UN-Energy and its associated entities or representatives do not assume responsibility for any errors or omissions that may be present.

ELECTRICITY ACCESS (SDG7.1.1)

The 2025 survey recorded a major increase in electricity access, with **158 million people gaining new connections** and **126 million benefiting from improved connections since 2021**, with 80 million people receiving decarbonized electricity. A total of 45 proponents provided data for this metric.

Compared to 2024, this represents a significant step up in reported progress. Part of this growth reflects real advances in electrification, while another factor is **broader participation in this year's survey**, with some proponents reporting for the first time and others resuming reporting after a gap. Together, these dynamics contribute to the sharp rise observed.

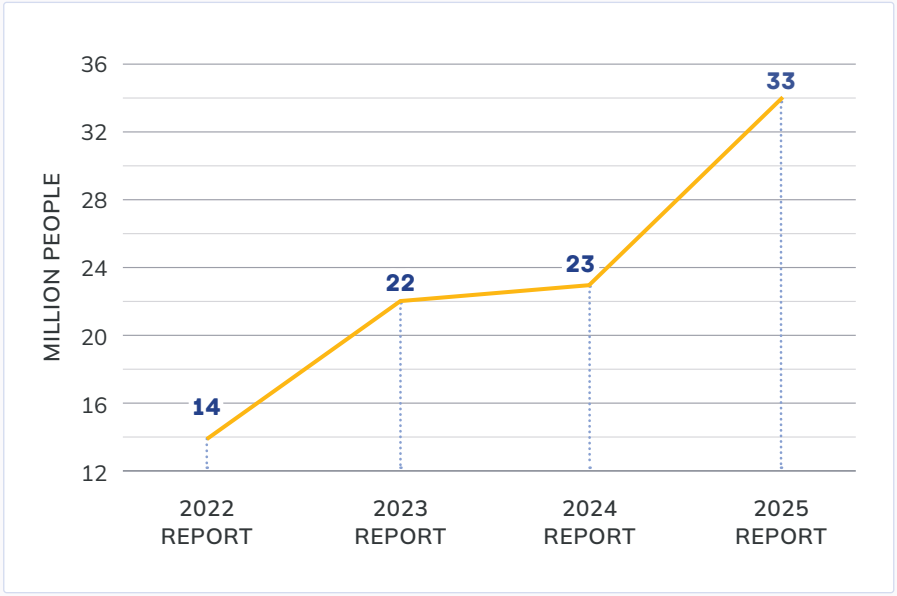
While encouraging, the results highlight the importance of consistent reporting across cycles to provide an accurate picture of global progress toward SDG7.



CLEAN COOKING ACCESS (SDG7.1.2)

The 2025 Progress Survey shows that **33 million people** have benefitted from clean cooking access **since Energy Compacts began in 2021**, compared to 23 million reported last year. This cumulative growth reflects genuine progress in expanding access, but the sharp increase between 2024 and 2025 is also explained by **broader reporting coverage**, as several proponents contributed for the first time or resumed after breaks. This has helped capture a fuller picture of progress but also contributes to the observed spike in results. Altogether, 19 proponents reported on this indicator.

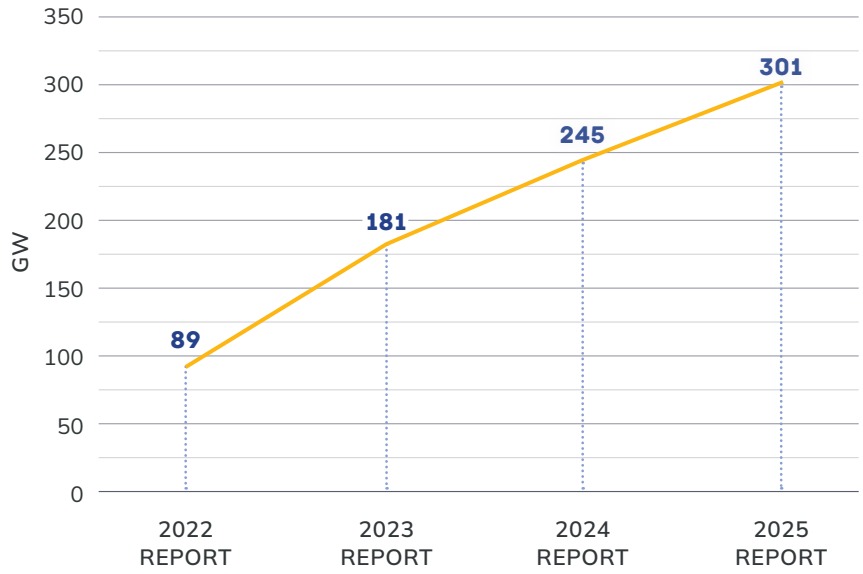
Despite these improvements, the pace is still far from sufficient. According to the **2025 Tracking SDG7: The Energy Progress Report**, population growth in Sub-Saharan Africa continues to outpace access gains, leaving **about 14 million additional people every year** without clean cooking solutions. Sustaining momentum and scaling up investments is therefore critical to closing this persistent gap.



INCREASING SHARE OF RENEWABLES (SDG 7.2)

The 2025 Progress Survey shows that **renewable energy deployment through Energy Compacts has reached 301 GW of installed capacity since 2021**, compared to 245 GW in last year's report. This sustained growth reflects ongoing action across all regions, driven by governments, private companies, and civil society actors. For this metric, responses were submitted by 65 proponents.

In addition to renewable electricity, proponents also reported **451,000 tonnes of installed green hydrogen capacity**, highlighting the expanding role of emerging technologies in the transition. While these figures signal sustained progress, accelerating the pace of renewable deployment remains essential to align with the scale of global climate and energy access goals.



451 THOUSAND METRIC TONNES GREEN HYDROGEN CAPACITY INSTALLED

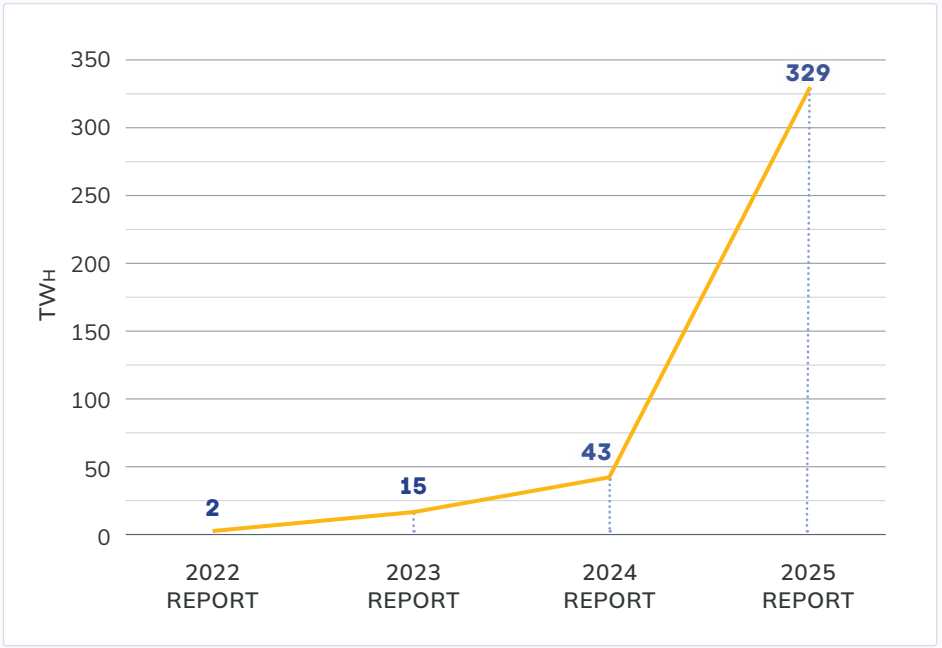
7 AFFORDABLE AND CLEAN ENERGY

ENERGY SAVINGS (SDG7.3)

The 2025 Progress Survey recorded a striking rise in reported **energy savings, reaching 329 TWh cumulatively since 2021**, compared to just 43 TWh in 2024. This nearly eightfold increase reflects not only genuine progress in deploying energy efficiency measures but also a substantial change in reporting coverage, as more proponents provided data this year, including some who had not reported in previous cycles. This broader participation has helped capture a clearer, though also more elevated, picture of efficiency gains. Thirty-five proponents accounted for this metric in their reports.

The savings reported stem from a wide range of measures: retrofitting appliances and equipment, upgrading cooling systems, advancing smart city initiatives, improving industrial and manufacturing processes, and applying digital and AI-based demand management solutions across different sectors.

While the scale of reported savings is highly encouraging, achieving global net-zero goals will require sustained acceleration. According to the **2025 Tracking SDG7 Report**, progress on energy efficiency in 2024 is lagging compared to the momentum seen a decade ago. To align with the ambition set at COP28, efficiency gains over the coming years will need to accelerate well beyond what current policies are projected to deliver. This implies not only stronger commitments from governments but also much higher levels of investment if the 2030 milestone is to be reached.



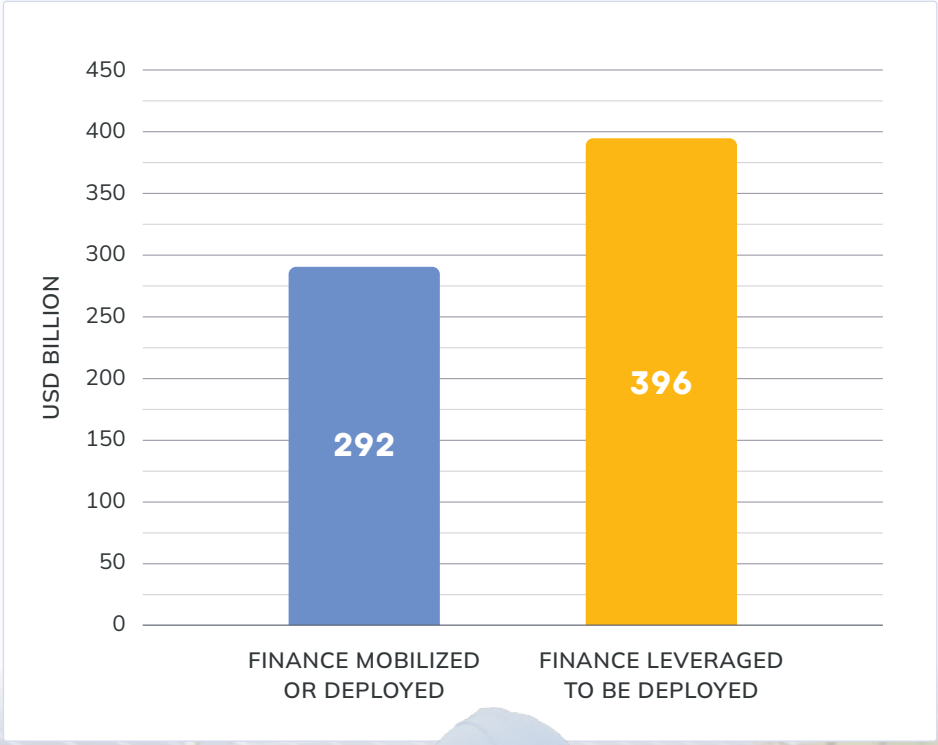
Consider making your own energy efficiency pledge by joining Mission Efficiency or submitting your own Energy Compact. LEARN MORE

7 AFFORDABLE AND CLEAN ENERGY

CLEAN FINANCE (SDG7 ENABLER)

By 2025, Energy Compact proponents reported **USD 292 billion mobilized or deployed** and an additional **USD 396 billion leveraged** since 2021. The private sector continues to dominate clean finance contributions, accounting for the majority of mobilized resources, much of which is directed toward renewable power generation. Out of all reported areas, this metric—reported by 72 proponents—marks the most common contribution to SDG7 progress.

Nevertheless, even with these gains, current levels of clean finance are far below the global requirement. According to the **2025 Tracking SDG7 Report**, investment must grow to **USD 4.2-4.5 trillion annually** to deliver universal access and meet climate targets. Stronger efforts to mobilize finance, particularly in the Global South, remain essential to bridge this gap.



LINKAGES TO OTHER SDGs

Energy weaves through the full spectrum of the SDGs, and Compact signatories reported linkages across nearly all goals. Yet it is in health, jobs, and partnerships that the numbers tell the strongest story of impact so far.

SDG 3
10,448
HEALTH FACILITIES WITH IMPROVED ELECTRICITY ACCESS

SDG 3
26,120,000
PEOPLE WITH IMPROVED HEALTH ACCESS

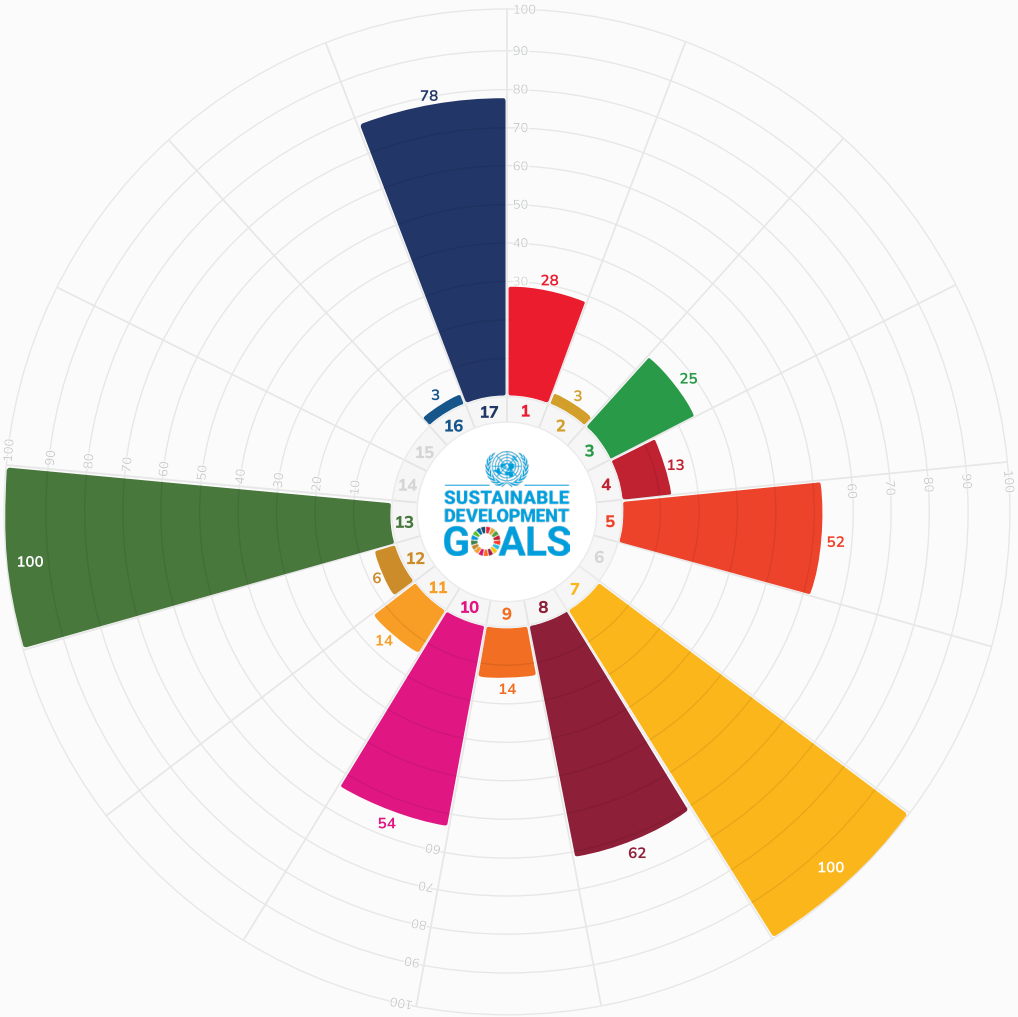
SDG 8
2,727,171
GREEN JOBS CREATED

SDG 8
767,938 PEOPLE
8,449,958 HOURS
GREEN JOBS TRAINING PROVIDED

SDG 17
1,557
AGREEMENTS SIGNED

SDG 17
1,420
STAKEHOLDERS CONVENED

SDG 17
5,285
EVENTS CONDUCTED



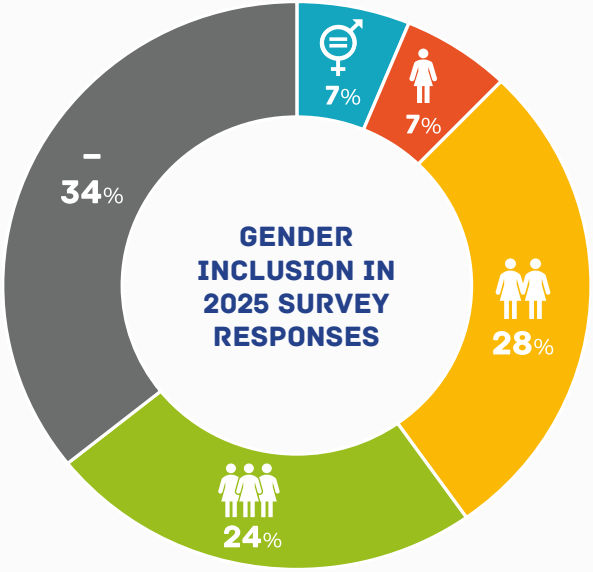
Graph represents identified linkages to SDGs based on responses to Energy Compacts Progress Surveys 2023, 2024, and 2025. Indicated values represent the number of proponents with reported action towards the SDG.

LINKAGES TO OTHER SDGs (SDG 5)

The 2025 Progress Survey indicates that gender integration continues to strengthen across the Energy Compacts, though reporting gaps remain. A majority of Compacts now identify their actions as either **Gender Responsive (28%)** or **Gender Transformative (24%)**, together accounting for over half of all reported initiatives. Meanwhile, the share of **Gender Neutral Compacts** has declined further to **7%**, reflecting progress in embedding gender considerations.

However, a notable **34% of proponents did not specify** their gender inclusion performance this year, underscoring the need for improved consistency in reporting.

*See Annex for definitions



GENDER & ENERGY COMPACT

This Compact was launched as a key bridge between SDG7 and SDG5, with the aim to catalyze action towards gender equality and women's empowerment to accelerate a just, inclusive, and sustainable energy transition. As of August 2025, the Compact has participated in/organized 28 events, and there are 108 signatories.

LEARN MORE AND JOIN THE COMPACT →

15,327
NUMBER OF WOMEN-LED ENERGY BUSINESSES/ ENTREPRISES/START-UPS SUPPORTED

98,279
DEDICATED JOBS FOR WOMEN AMONG SIGNATORIES OF THE GENDER AND ENERGY COMPACT

231,902
WOMEN RECEIVED GREEN JOBS TRAINING AMONG SIGNATORIES OF THE GENDER AND ENERGY COMPACT

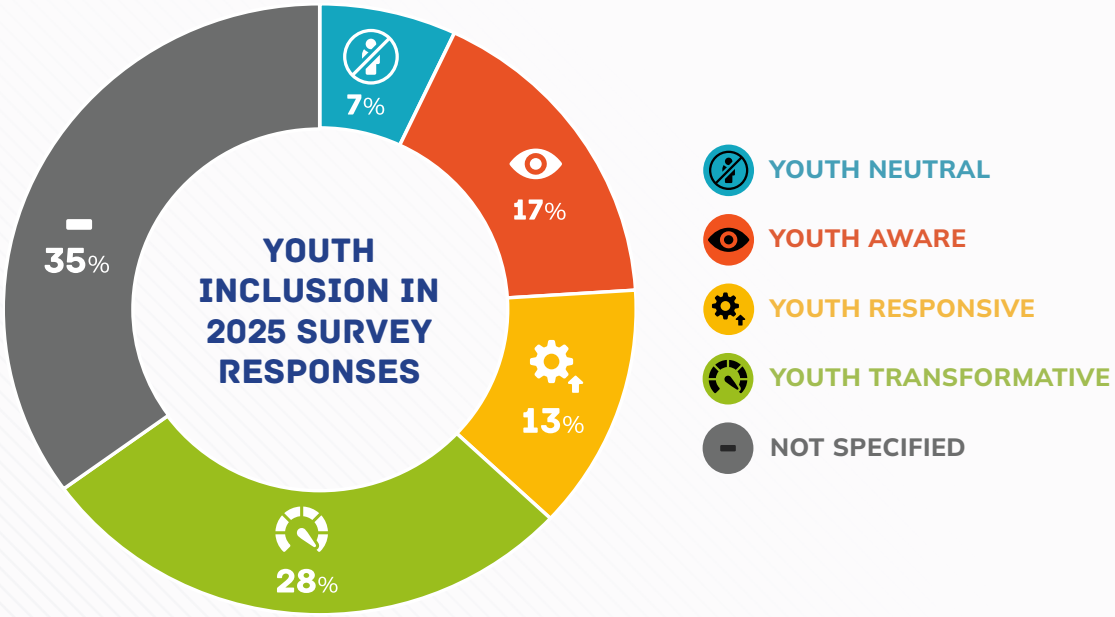
5 GENDER EQUALITY

GENDER & ENERGY SIGNATORIES LIST

75inQ
Access Coalition
African Development Bank
Arabian Cement Company
Ashden
Asociación Nacional de Energía Solar, Mexico (ANES)
Associação Lusófona de Energias Renováveis (ALER)
Benha university
Beshay Steel
Biozid Climate Institute
Canada
Centre for Rural Technology, Nepal
Clean Cooking Alliance
Climate Council
Climate Parliament
CLUBE MOZA
Communauté des Jeunes Engagés du Sénégal (CJES)
Coventry University: Humanitarian Engineering and Energy for Displacement
Dominican Republic
Duke University, James E.
Ecuador
EDER (Environnement, Développement et Énergies Renouvelables)
ENERGIA International Network on Gender and Sustainable Energy
Energy Community
Environmental Conflict Mediation and Women Development Initiative
Future Earth Ltd
Gender Smart/ Catalyst At Large
GenDev Centre for Research and Innovation
Girl Up Soccer Hub Academy, Kenya
Global Climate Innovation Coalition
Global Network for Regional Sustainable Energy Centres
Global Women's Network for the Energy Transition
GrowthPoints Strategies
Himalayan Innovations
Hivos
Husk Power Systems
Iceland
INCLUDE knowledge platform
Initiatives for Safe Migration and Social Justice
International Insitute for Sustainable Development
International Institute for Applied Systems Analysis
InvestinGreen.Energy
IRENA
JSC ELECTRICITY SYSTEM COMMERCIAL OPERATOR (ESCO)
Kenya
LeanIn Equity & Sustainability
Let There Be Light International
Malawi
Mama Doing Good
MARIDA Technologies/ Lioness Power
Masdar
Mbolo Association
MicroGen Renewables
Modern Energy Cooking Services
Mozambique Women of Energy
Ndirimo Foundation
Nepal
Nigeria
Nigeria Extractive Industries Transparency Initiative (NEITI)
Norway
OORJAgram India Pvt Ltd
Panama
Phoenix Renewable Group
Practical Action
Private Financing Advisory Network (PFAN)
R3iVentures
Radix Lifespaces Pvt Ltd
ReEnergy Africa
REN21
Rogers Energy Access Project
S2G Energy
SAWIE
SDG7 Youth Constituency
SEforAll
SEWA
Shamso Energy
Smiling Simon Greenbuild Foundation
SNV
Solar Cookers International
Solar Sister
Solbox Energia
STEMi Makers of Africa
Student Energy
Sustainable Energy & Environment LTD
Sweden
Taiwan Green Energy for Charity Association
The Chemistry Solutions Company
The Global Green Growth Institute
The Global Initiative for Economic, Social and Cultural Rights
The Shine Campaign
UN ESCWA
UN Women Ukraine
UN Women
UNEP
UNFCCC
UNIDO
Unión Española Fotovoltaica - UNEF (Spanish Solar Photovoltaics Association)
Universitas Sriwijaya
Urban Institute, University of Sheffield
Value for Women
Vikas Yatra
WEDO
Women in Energy Pakistan
Women in Renewable Energy Association (WIRE A)
Women in Sustainability at the Council on Energy, Environment and Water
Women in Sustainable Energy Lesotho
World Biogas Association
Youth Association for Development (YAD) Pakistan

YOUTH INDICATOR

The 2025 Progress Survey shows encouraging momentum in youth inclusion across the Energy Compacts. Nearly half of respondents now integrate youth at a high level, with **28% classified as Youth Transformative** and **13% as Youth Responsive**. This marks a notable shift compared to earlier reporting cycles. Meanwhile, the share of **Youth Neutral Compacts** has dropped to just **7%**, suggesting growing recognition of young people as essential contributors to the energy transition. At the same time, **35% of respondents did not specify their youth inclusion performance**, indicating a need for improved reporting consistency and transparency.



*See Annex for definitions

In addition, there are six youth-centered Energy Compacts that help youth and at the same time drive achievement of the SDG7. Consider joining some of them:

- SDG7 Youth Constituency
- Student Energy
- YOUNGO Energy Working Group
- Youth for Energy South-East Asia (Y4E-SEA)
- Youth Sustainable Development Network (YSDN)
- Call to Action to Champion Youth Mainstreaming in Energy

27,000+
PEOPLE WITH ENHANCED ELECTRICITY ACCESS

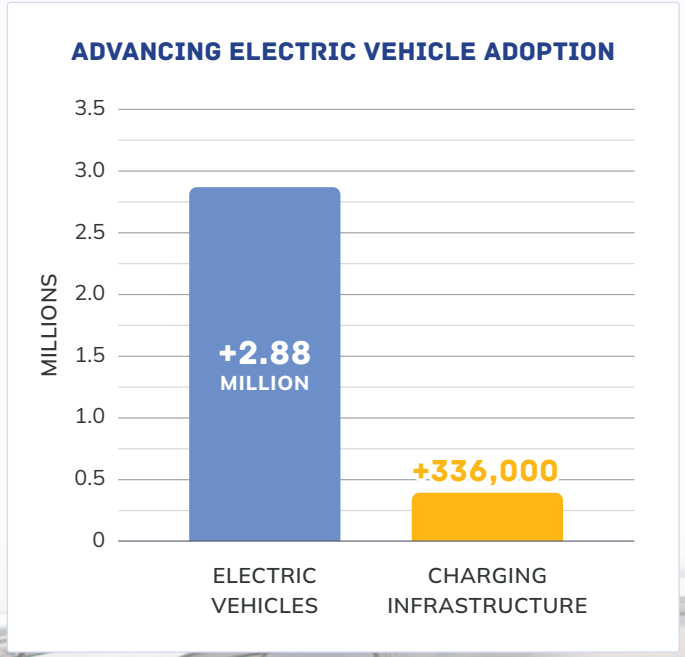
10,000+
PEOPLE PROVIDED WITH GREEN JOBS TRAINING

10 MILLION
USD MOBILIZED

LINKAGES TO OTHER SDGs (SDG 11)

The 2025 Progress Survey shows cumulative progress in sustainable mobility, with **2.88 million electric vehicles** added and **336,000 charging infrastructures installed** since the launch of Energy Compacts in 2021. This continued growth reflects the integration of transport into clean energy transitions, demonstrating clear connections between **SDG7 (clean energy)** and **SDG11 (sustainable cities and communities)**.

Expanding EV deployment and charging networks is critical to decarbonizing urban environments, improving air quality, and reducing reliance on fossil fuels in the transport sector. The upward trend in reported figures signals encouraging momentum, though further acceleration will be necessary to align with global climate and sustainability targets.



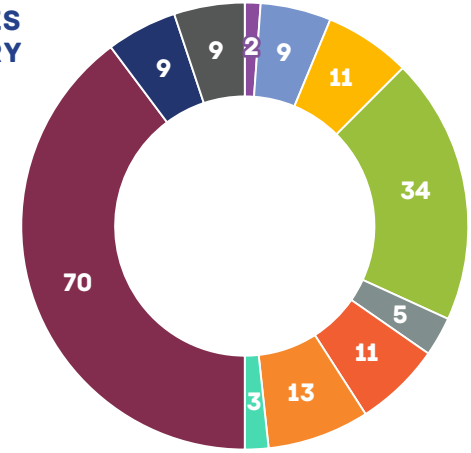
24/7 CARBON-FREE ENERGY COMPACT

The 24/7 Carbon-Free Energy (CFE) Compact is a global initiative designed to accelerate the decarbonization of electricity systems worldwide. Its aim is to mitigate climate change, enable organizations to meet their full electricity demand with carbon-free sources, and guarantee access to clean and affordable energy for all, in line with SDG7.

Since its launch, the Compact has convened 15 workshops and 11 high-level side events. Over the past year, 19 new signatories have joined, raising the total to 176. Compact's signatories are shaping policy reforms and motivating partners to pursue the goal of 100 percent carbon-free electricity — every hour, every day, everywhere.

HOW TO JOIN →

SIGNATORIES BY CATEGORY



ACADEMIC INSTITUTIONS & SCIENTIFIC COMMUNITY	2
ENERGY ADVISORS	9
ENERGY BUYERS	11
ENERGY SUPPLIERS	34
INVESTORS & FINANCIAL ORGANIZATIONS	5
LOCAL, REGIONAL & NATIONAL GOVERNMENTS	11
NGOs & CHARITIES	13
SYSTEM OPERATORS	3
TECHNOLOGY SOLUTIONS PROVIDERS	70
TRADE ASSOCIATIONS	9
OTHER	9

24/7 CFE 2025 PROGRESS SURVEY

42 SIGNATORIES PARTICIPATED IN THE 2025 ANNUAL PROGRESS SURVEY

CARBON-FREE POWER ENABLED

This year's progress highlights how signatories are actively driving the energy transition by enabling carbon-free power through three key pathways: **procurement**, **generation**, and **support services**.

Procurement involves organizations sourcing carbon-free energy for their own operations, typically via direct agreements with producers such as power purchase agreements (PPAs) or through retail energy providers.

Generation captures the actual production of electricity from renewable and low-carbon sources – including solar, wind, hydropower, biomass, geothermal, and nuclear – by the signatories themselves.

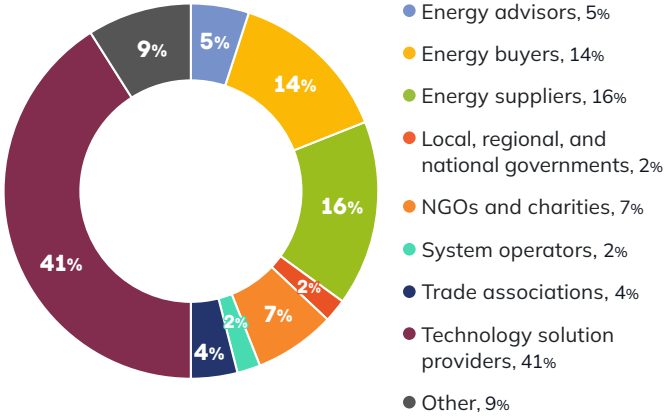
Support services are provided by entities that enable others to go carbon-free. This includes issuing Energy Attribution Certificates, offering technical assistance, bridging buyers and sellers, designing renewable energy systems, and matching supply with demand.

Altogether, these efforts reflect the increasing scale and diversification of actions across the Compact's membership – from buyers to generators to enablers.

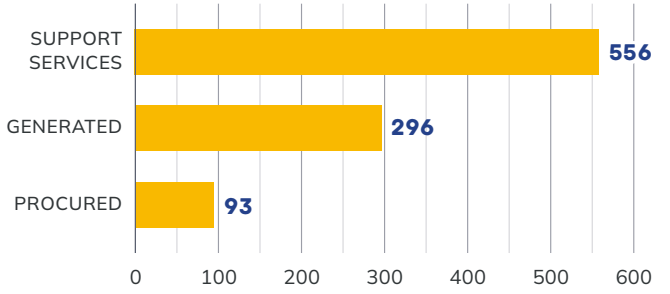
The total for carbon free power enabled is 944 TWh, with support services accounting or 59 percent of the carbon-free power enabled.

For the first time, the survey asked participants if they tracked their carbon-free power enabled was tracked on an hourly basis. 14 signatories (33% of the survey participants) responded positively with carbon-free shares ranging from 8-100%.

2024–2025 SURVEY RESPONSES BY SIGNATORY TYPE



CARBON-FREE POWER ENABLED (TWH)



In addition to enabling carbon-free electricity, signatories continued to strengthen partnerships and expand peer networks through coalition building and community engagement.

Partnership agreements involve collaboration on corporate sourcing, hourly REC matching, formalized partnership deals, and commitment signups.

MOUs signed reflect formal cooperation on technology design and power purchase agreements (PPAs), while **signatories to a coalition** refers to organizations joining like-minded associations.

Since the launch of the Energy Compact in 2021, coalition-building efforts have grown steadily, resulting in hundreds of collaborative actions that help shape the global shift to real-time carbon-free energy.

The 24/7 CFE Compact also nurtures a **community platform** where signatories exchange updates, share knowledge, and amplify one another's efforts. The **community engagement** metric captures participation in events, presentations, stakeholder workshops, knowledge-sharing sessions, published resources, and activity across the Compact's communication channels.

COALITION BUILDING	
MOUs SIGNED	65
SIGNATORIES TO A COALITION	158
PARTNERSHIP AGREEMENTS	258

344 COMMUNITY ENGAGEMENTS

NEW 24/7 SIGNATORIES

Over the past year, the 24/7 Carbon-Free Energy Compact welcomed **19 new signatories**, strengthening a movement that is uniting governments, cities, companies, and innovators around the ambition of carbon-free power every hour of every day.

AGP Sustainable Real Assets

北九州市 CITY OF KITAKYUSHU

CLIMATE GROUP

EMBER

ENERES

GH2 Green Hydrogen Organisation

GravCORE ENERGY REINVENTED

HalioGen Power

HOKU

株式会社かづのパワー Kazuno Power Co., Ltd

OneAtmosphere

OSAKA GAS

PATtech

PEAK ENERGY

しろくま電力 ShirokumaPower

SHIZEN ENERGY

TERANO

tierra CLIMATE

TransitionZero

LIST OF 24/7 CARBON-FREE ENERGY COMPACT SIGNATORIES

3Degrees
8 Rivers Capital
Aban Foundation AB
Acciona Energia
AES
African Circular Business Alliance (ACBA)
AFV BELTRAME GROUP
AGP DC Manager Pte Ltd.
AirTrunk
Amperon
ARUP
AsiaREC Limited
Association for Supporting the SDGs for the United Nations (ASD)
Atrieno AG
Available Power
Becour AS
Bioplan M&P
Blok-Z
Booost, Inc.
Bowhill Engineering
Bright Night
Brightmerge
Buildings Alive
C40 Cities Climate Leadership Group Inc
CalWave Power Technologies, Inc
Carbon Char Store Ltd
Centre for Net Zero
Centrica Energy Trading A/S
Circular Energy Group
City of Des Moines, Iowa
City of Ithaca, New York
City of Kitakyushu
City of South Lake Tahoe
Clean Air Task Force
Clean Incentive
CleanCounts (formerly M-RETs)
ClearTrace
Climate Equity Foundation
Climate Group
Climate Matters Ltd/ Ireland
Constellation
CorPower Ocean
Costa Rica
CPower (Enerwise Global Technologies, LLC)
Dcbl
Delta Carbon (Pty) Ltd
Denryoku Sharing Co., Ltd. (D-Sharing)
DoTheDream Youth Development Initiative
EDP
EG Funds Management
Electricity Generating Authority of Thailand (EGAT)
Electricity Maps
Elia Group
Ember
ENECHANGE Ltd.
Eneres Co., Ltd.
Energy Harbor
Energy Unlocked
Energy Web
EnergyTag
Engie
ENlighten
Enosi
ENTRNCE
Envision Digital
Eurelectric
Faradai
FERVO Energy
FirstLight Power
GeothermEx
Global Renewables Alliance
Go Net Zero Pte Ltd
Google
Granular Energy
Green Hydrogen Organisation (GH2)
Greenko Energy Holdings
Gridcognition
HalioGen Power Ltd.
HDF Energy
HIF Global
Hoku Energy
Iceland
ICLEI
InRange
International Atomic Energy Agency (IAEA)
Iron Mountain Data Centers
JERA Co., Inc.
Johnson Controls
Kaluza
Kanin Energy
Kärnfull
Kazuno Power
KEI Consulting
Kenya
KHNP (Korea hydro and nuclear power)
Kingwhale Corporation
Last Energy
Level Ten Energy
Lightshift Energy
Lightsource bp
LO3
Long Duration Energy Storage Council (LDES)
Malta Inc.
Masen (Moroccan Agency for Sustainable Energy)
Maximum Energy
Microsoft
Mitsubishi Electric Corporation
Nelnet Renewable Energy
newcleo (UK)
Nexus Moblity SpA Chile
nLighten
Nodus
Nord Pool Group
Nuclear Energy Institute

*as of August 20, 2025

Nucor
NuScale Power
NXTLAB
NZero
One Atmosphere Southeast Asia
Ørsted
Osaka Gas Co., Ltd.
Our Energy
Panama
PATtech.com
PEAK ENERGY DEVELOPMENT
Pivot Energy
Powerledger
Prometheus Hyperscale
Pyxidr
Quinbrook Infrastucture Partners
RE24 Limited
Reel
Renewabl
Renewable Energy Promoting Organization, Inc.
ReUSE Revamp
Rivian Automotive
RPD Energy
SAP SE
Scout Clean Energy
Scotland
ShirokumaPower Co.
Shizen Energy Inc.
SkyPower Global
Societatea Nationala Nuclear Electrica
Sperra (formerly: RCAM Technologies, Inc.)
Spritju
SSE Airtricity
SSE Energy Solutions
Standard Hydrogen Corp
Stanford's Precourt Institute for Energy
Statkraft
Stonechair Capital
Student Energy
Sunshine Hydro
Sustainable Bitcoin Protocol
Switch Electric
Terano
TerraPower, LLC
The Republic of Vanuatu
Tierra Climate Inc.
Trailstone Renewables GmbH
TransitionZero
Umlilo
UN Sustainable Development Solutions Network
United States
Univers
UPDATER, Inc.
Verse
Voltus
Web3 Renewables
Westing House Electric Company LLC
World Business Council for Sustainable Development (WBCSD)
World Nuclear Association
X
Xcel Energy
zaRECs
Zettawatts LLC

*as of August 20, 2025

CHAPTER FOUR

SPOTLIGHT

Case studies

POWERING RURAL GUATEMALA'S DIGITAL FUTURE: WOMEN-LED, SOLAR-POWERED.

New Sun Road's Energy Compact is transforming off-grid villages in Guatemala by combining clean power, internet connectivity, and women's leadership to unlock opportunity and resilience.

POWERING RURAL FUTURES WITH SOLAR AND DIGITAL ACCESS

When a solar-powered Digital Community Center opened in Río Azul, Quiché, 21-year-old Elizabeth Ixim stepped up to manage the center, overcoming initial community skepticism. Despite limited resources, she embraced hands-on training and today, she teaches digital literacy, helps local families access online services, and co-manages small businesses.

These Digital Community Centers (DCCs) launched by New Sun Road provide decentralized, reliable energy and internet access to underserved rural communities, and are part of the organisation's Energy Compact commitment. Anchored in local leadership, the commitments deliver a scalable model that addresses multiple SDGs — particularly SDG 7 (affordable and clean energy), SDG 5 (gender equality), and SDG 4 (quality education). By combining infrastructure deployment with skills training and local leadership, New Sun Road turns energy access into a platform for education, economic empowerment, and lasting community resilience.

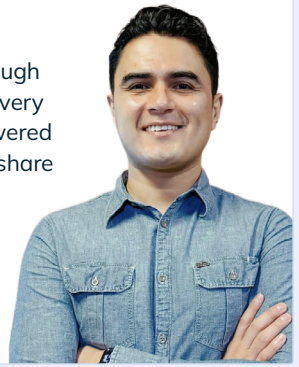
ACCESS THE FULL CASE STUDY →

IMPACT AT A GLANCE

- 30 Digital Community Centers (DCCs) installed across three regions in Guatemala.
- Each DCC is equipped with a 3 kW–5 kW solar PV system, battery storage, and satellite internet connectivity.
- 3,500+ women and girls trained in digital literacy, financial education, and entrepreneurship.
- 5,500+ community members reached through training programs delivered via the DCCs.
- Women who complete the digital literacy module demonstrate an average 80% improvement in digital proficiency.
- 400+ women trained and served as DCC managers and community leaders.
- Each DCC is estimated to avoid at least 3.6 tonnes of CO_2 emissions annually, contributing to climate mitigation goals.

> Subscribing to Energy Compacts and sharing our work through this platform aligns with our vision of a Guatemala where every rural village is connected, energy-secure, and led by empowered local leaders. It's also an opportunity to build partnerships, share what works, and accelerate just transitions across borders, reinforcing our belief that local innovation and inclusive leadership can drive global transformation.

ALEJANDRO ALVARADO
Country Director, New Sun Road Guatemala



ENERGY COMPACT ACTION NETWORK: DRIVING COLLECTIVE ACTION FOR SDG7

In a rapidly evolving global landscape, the Energy Compact Action Network (ECAN), launched in 2022, serves as a global platform that transforms high-level energy commitments, matching offers of support with requests for support, facilitating the implementation of Energy Compact commitments.

By aligning voluntary Energy Compacts with technical assistance, matchmaking, and financing solutions, ECAN serves as a mechanism for Energy Compact proponents to bridge the gap between ambition and implementation.

ACCESS THE FULL CASE STUDY →

THE ECAN MODEL

What distinguishes ECAN is its integrated support model—combining matchmaking, capacity building, and tracking of progress in a single global platform. The model is multi-stakeholder, country-driven, and action-oriented, ensuring that ambition is not only documented but actively supported through targeted interventions.

FACILITATING DIALOGUE: STRUCTURED GOVERNMENT–PARTNER ENGAGEMENT

ECAN offers a structured forum for governments and Compact signatories to convene around national and thematic priorities, eliminating some risks of commitments remaining aspirational. ECAN provides governments with a recurring platform to engage with signatories, ensuring commitments are revisited, clarified, and integrated into national priorities.

IDENTIFYING OPPORTUNITIES: TRANSLATION OF TARGETS INTO INVESTMENT OPPORTUNITIES

ECAN supports governments and partners in breaking down high-level targets such as renewable energy percentages or clean cooking adoption into sectoral opportunities and thematic workstreams that can attract technical and financial partners.

MOBILIZING FINANCE AND PARTNERSHIPS

Financing is a recurring bottleneck. ECAN bridges local projects with global finance by convening development banks, private investors, and local financial institutions to identify appropriate instruments; from risk guarantees to local-currency lending that make projects bankable and accelerate their delivery.

UPDATER: ADVANCING 24/7 CARBON-FREE ENERGY IN JAPAN THROUGH BLOCKCHAIN INNOVATION

BLOCKCHAIN-BASED ELECTRICITY TRACKING

UPDATER is a Japanese renewable electricity procurement solution and consultation service provider that assists RE100 companies in achieving their decarbonization goals. UPDATER has developed Enection 2.0, a blockchain-based platform that enables peer-to-peer renewable energy transactions. This platform allows users to trace the origin of their electricity at 30-minute intervals, aligning with international standards for 24/7 Carbon-Free Energy.

Enection 2.0 platform allows consumers to trace the exact origin of their electricity and directly connect with the renewable energy producers behind it. Critically, Enection 2.0 enables granular energy tracking at 30-minute intervals, in line with international standards for 24/7 Carbon-Free Energy. This ensures transparency and credibility in renewable energy sourcing, and contributes to the global shift toward hourly matched carbon-free electricity. The model redefines electricity not as a commodity but as a trust-based relationship between producers and consumers.

By enabling granular energy tracking and traceability, Enection 2.0 promotes greater transparency, accountability, and consumer choice in clean energy sourcing.

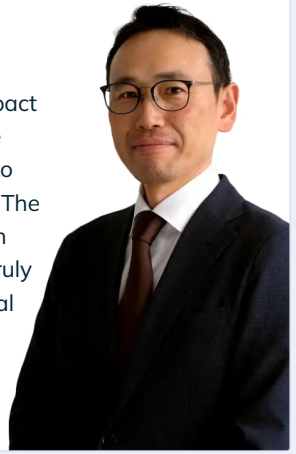
ACCESS THE FULL CASE STUDY →

IMPACT AT A GLANCE

- Renewable supply in line with 24/7 CFE across Japan, excluding Okinawa.
- 1,259+ corporate clients and companies.
- 5,490+ serviced locations.
- 110,558 MWh of time-matched renewable electricity supplied (FY2024)
- Over 400,000 tons of CO_2 emissions reduced (cumulative to 2023)

> UPDATER joined the 24/7 Carbon-Free Energy Compact because it shares a deep commitment to the principles of verifiable, time-based clean energy procurement. The Compact offers a global platform through which UPDATER can share its work, learn from others, and collaborate across borders to drive more inclusive and effective energy transition models. The company's future vision is a world where every organization regardless of size or geography can choose energy that is truly carbon-free, local, and accountable. The Compact is a critical step in helping make that future a reality.

SHUTA MANO
Senior Executive Officer, UPDATER Inc (Minna-denryoku)



ACCIONA ENERGÍA'S DECADE OF ACTION FOR SDG7 AND A NET-ZERO FUTURE

ACCIONA Energía operates exclusively in renewable energy, with a global portfolio spanning onshore wind, solar PV, and battery storage. Through its UN Energy Compact, the company has committed to scale renewable generation capacity, expand access to clean energy, and contribute to the decarbonization of energy systems in the countries where it operates.

Making progress against their commitments, ACCIONA Energía has expanded its installed renewable capacity by more than 4 GW — from 11,245 MW to 15,354 MW by the end of 2024. In that year alone, its 100% renewable generation (26,708 GWh) avoided over 14 million tons of CO_2 emissions, contributing to the decarbonization of energy mixes across its markets.

ACCESS THE FULL CASE STUDY →

FUTURE GOALS AND IMPLEMENTATION PATHWAYS

ACCIONA Energía's future strategy is centered on maintaining its exclusive focus on renewable energy, with investment priorities in onshore wind, solar PV, and stand-alone battery storage. Expansion will continue in markets with regulatory stability and high growth potential, with Spain, Australia, and the United States playing a central role. Following a period of rapid growth in 2023 and 2024 that brought total installed capacity to 15.4 GW, the company is shifting towards a more flexible and dynamic approach to development. Instead of pursuing fixed capacity targets, growth will be guided by the quality and characteristics of opportunities in the pipeline, ensuring steady and sustainable expansion. Alongside generation, the company plans to strengthen its end-user decarbonization services and reinforce its portfolio of solutions for clients, while continuing to embed sustainability in its operations by contributing to the socio-economic development of local communities where it invests and operates.

IMPACT AT A GLANCE

- 100% renewable generation activity in 19 countries, with 15.35 GW of installed capacity (+1.8 GW vs. 2023)
- 26,708 GWh of renewable electricity generation (+1,814 GWh vs. 2023), avoiding 14.3 million tons of CO2 eq.
- Energy services provided to >6,000 customers in Spain, France, and Mexico = > 1,000 GWh of consumption and > 50,000 lighting points managed
- +1,300 electric charging points directly owned by the company (+300 vs 2023) and +4,000 available through our network.
- Acciona.org, ACCIONA Group's Foundation provided access to affordable, modern and sustainable energy to 159,795 people without connection to such services in 8 countries. In addition to the equipment and initial installation, technical assistance is provided to ensure continuity of service: maintenance, spare parts, and more, in exchange for an affordable fee for beneficiaries.

CHAPTER FIVE

JOIN US

Call to action

SUBMIT YOUR ENERGY COMPACT

Energy Compacts are an inclusive process, open to all stakeholders including national governments, regions and cities, private sector companies, financial institutions, UN agencies and civil society organizations. Follow these steps to play your critical role towards SDG7 through the Energy Compacts process:

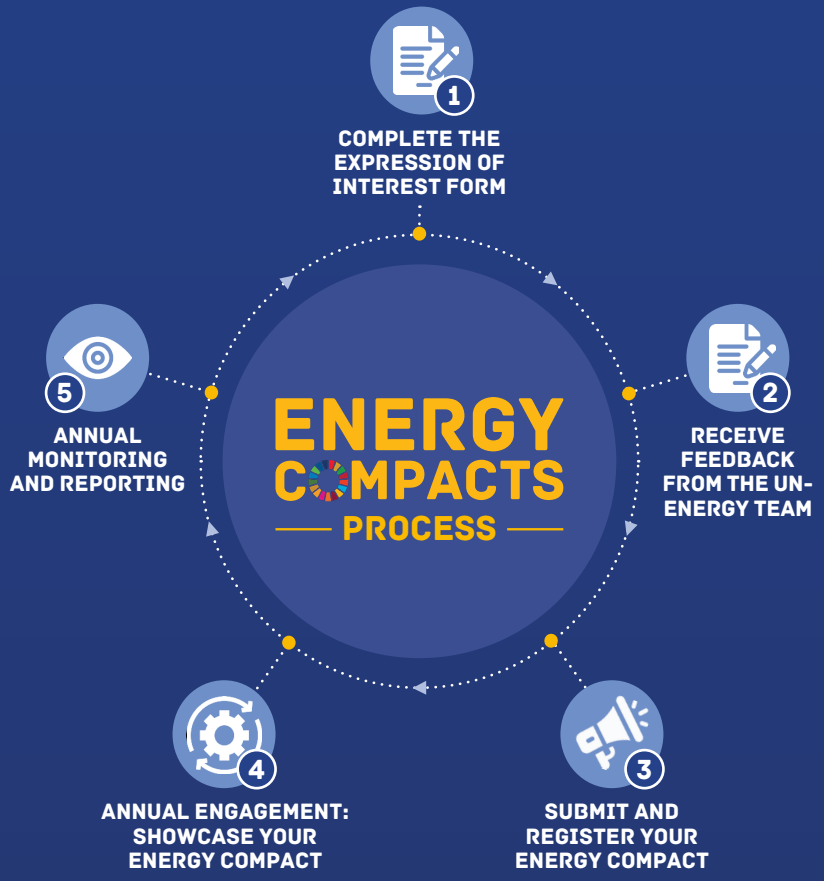
1. Download and complete the Expression of Interest form. Email your draft form for review to energycompact@seforall.org and un-energycompact@un.org.

2. The UN-Energy team will respond to you within 10 working days to provide a Energy Compact submission template and details regarding the next steps of the process.

3. Once we receive your completed template, with all the required elements in line with the guiding principles, your Energy Compact will be formally registered and displayed on the Energy Compact registry and website.

4. Participate in various events organized as a part of the Energy Compact Action Network. Showcase your progress, discuss challenges and share solutions with fellow proponents.

5. Share your progress via the Energy Compacts Annual Progress Survey. Highlight your key achievements to feature in the annual report and revise your Energy Compact.



SHOWCASE YOUR COMMITMENT THROUGH ANNUAL ENGAGEMENT

JOIN A WORKSHOP

UN-Energy periodically hosts workshops for prospective Energy Compact proponents to learn more about the process and how to best develop actions and commitments. If you would like to join or co-host a workshop for your constituency, please contact us at energycompact@seforall.org.

ENGAGE ON SOCIAL MEDIA

Sign up to receive regular news and follow us on X to stay informed on events and other updates. Energy Compact signatories are periodically highlighted on our digital channels and social media campaigns.

ACCESS PRIME SPOTLIGHT AT GLOBAL FORA

Seize the opportunity to showcase your ambition and commitment in front of the world. Energy Compact signatories are regularly invited to participate as key speakers at prestigious global fora such as UNGA, COP, G20, SDG7 Action Forum and more on an annual basis.

RESEARCH AND PUBLICATIONS

As Energy Compact signatories, be invited to participate in Case Studies highlighting your commitments. Access and publish up-to-date research on UN-Energy website and channels.

CHAPTER SIX

ADDENDUM

ACKNOWLEDGMENTS

This report has been produced by UN-Energy as part of the activities of the Energy Compact Action Network. UN-Energy is grateful for the support of all the Energy Compact proponents, especially the commitments and contributions of Member States, as well as private sector and finance institutions, civil society organizations and philanthropies, and all our partners who have demonstrated accelerated action towards achieving SDG7 and our collective global goals.

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ANNEX

In the 2025 survey, proponents were requested to assess their Energy Compact on the gender and youth inclusion metrics on a scale of 1-4 using the definitions provided below.

YOUTH AND ENERGY INDICATOR DEFINITIONS:

1. **YOUTH NEUTRAL:** No explicit / intentional mention of youth or young people in the Energy Compact.
2. **YOUTH AWARE:** Youth Aware: Directly address issues faced by the youth, highlights the varied needs of young people within both the ambitions and the guiding principles.
3. **YOUTH RESPONSIVE:** Directly outlines actions to resolve the identified issues and needs of the youth, detailing specific youth-oriented objectives within the ambition along with an associated timeline.
4. **YOUTH TRANSFORMATIVE:** Defines a time-bound and measurable goal for the youth that supports their strategic interests, aligning with the action. This includes committing necessary funding and resources for implementation and recognizing youth as essential in ensuring accountability, enabling the tracking and reporting of progress. In addition to quantitative outcomes, qualitative metrics such as increased empowerment, enhanced awareness, skill development, connections with mentors, and heightened civic engagement should be measured. These can be evidenced through youth testimonials, stories of change, and the number of young individuals participating in and completing the program or initiative.

There is no universally agreed international definition of the youth age group. For statistical purposes, however, the United Nations - without prejudice to any other definitions made by Member States - defines 'youth' as those persons between the ages of 15 and 24 years.

GENDER AND ENERGY INDICATOR DEFINITIONS:

1. **GENDER NEUTRAL:** No explicit / intentional mention of gender or women in the Energy Compact
2. **GENDER AWARE:** Explicitly/ intentionally address a gender issue(s), & mentions differentiated energy needs of women and men in both the context for the ambition(s) and the guiding principles
3. **GENDER RESPONSIVE:** Explicitly/ intentionally describes gender actions to address the gender issues & needs identified in the context and specifies related gender targets in the ambition with related timeframe
4. **GENDER TRANSFORMATIVE:** Explicitly/ intentionally describes a time-based and measurable gender outcome(s) related to the gender action that contributes to women's strategic interest; allocates required finance and investments for the implementation of the action and includes gender as an accountability variable to monitor and report on the progress of the gender outcomes.

REFERENCES

24/7 Carbon Free Energy. Case studies and reports. 2025. Last accessed: 8 September 2025. Available from: https://gocarbonfree247.com/resources/

Gender and Energy Compact. Join the Gender and Energy Compact. 2025. Available from: https://genderenergycompact.org/how-to-join/

IEA. Net zero by 2050. Paris: IEA; 2021. Available from: https://www.iea.org/reports/net-zero-by-2050

IEA, IRENA, UNSD, World Bank, & WHO. Tracking SDG7: The energy progress report 2025. 2025. Available from: https://trackingsdg7.esmap.org/downloads

IPCC. Synthesis report for the sixth assessment report. Intergovernmental Panel on Climate Change; 2023. Available from: https://www.ipcc.ch/report/sixth-assessment-report-cycle/

Mission Efficiency. Call to Action. 2025. Available from: https://missionefficiency.org/call-to-action

UN. Secretary-General calls on states to tackle climate change 'time bomb' through new solidarity pact, acceleration agenda, at launch of intergovernmental panel report [Press release]. New York: UN; 2023 Mar 20. Available from: https://press.un.org/en/2023/sgsm21730.doc.htm

UN. UN Secretary-General issues new global roadmap to secure clean energy access for all by 2030 and net zero emissions by 2050 [Press release]. New York: UN; 2021 Nov 3. Available from: https://www.un.org/en/hlde-2021/page/global-roadmap-press-release

UN. Youth. United Nations; 2025. Available from: https://www.un.org/en/global-issues/youth

UN High-Level Expert Group. Integrity matters: Net zero commitments by businesses, financial institutions, cities and regions. United Nations; 2022. Available from: https://www.un.org/en/climatechange/high-level-expert-group

UNDP. Climate Promise. Available from: https://climatepromise.undp.org/

UN-Energy. About Energy Compacts. Available from: https://www.un.org/en/energycompacts/page/about

UN-Energy. Annual reporting overview and survey submission tutorial. 2025. Last accessed: 8 September 2025. Available from: https://www.un.org/en/energy-compacts/page/annual_reporting_overview

UN-Energy. Energy Compact Profiles. 2025. Last accessed: 8 September 2025. Available from: https://www.un.org/en/energycompacts/page/registry

UN-Energy. Energy Compacts Annual Progress Report 2023. United Nations; 2023. Available from: https://sdgs.un.org/sites/default/files/2023-09/energycompacts-annual-progress-report2023-002.pdf

UN-Energy. Energy Compacts Annual Progress Report 2024. United Nations; 2024. Available from: https://www.un.org/sites/un2.un.org/files/energycompacts-annual-progress-report2024-007_compressed.pdf

UN-Energy. Energy Compacts Submission Guidelines. 2025. Available from: https://www.un.org/en/energycompacts/page/submission-guidelines

UN-Energy. Just and Inclusive Energy Transition (JIET) Compact. Available from: https://www.un.org/en/energy-compacts/page/just-and-inclusive-energy-transition-jiet-compact

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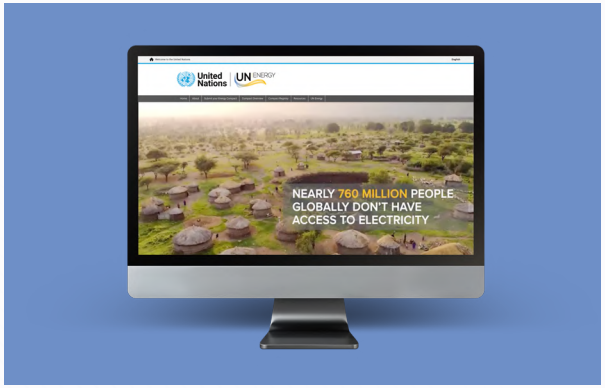

ENERGY COMPACTS HOMEPAGE

LEARN MORE →

EXPRESSION OF INTEREST

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CONTACT

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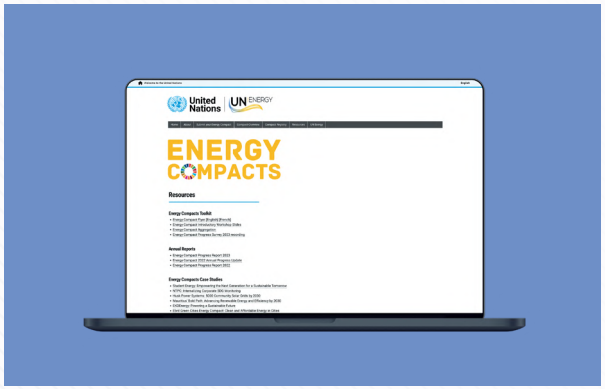
energycompact@seforall.org



ENERGY COMPACT RESOURCES

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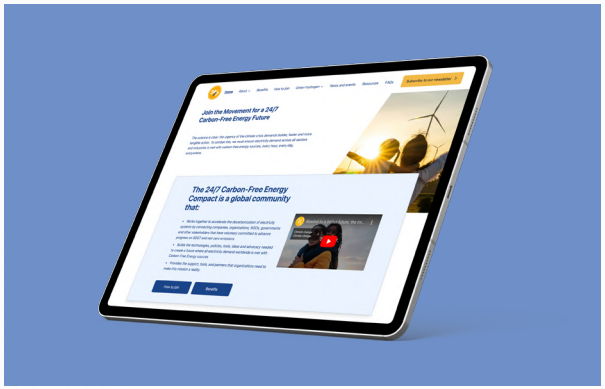

24/7 CARBON-FREE ENERGY COMPACT

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JUST & INCLUSIVE ENERGY TRANSITION (JIET) COMPACT

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2025 ANNUAL PROGRESS REPORT

COORDINATED BY

United Nations | UN ENERGY

ENERGY COMPACTS

PUBLISHED SEPTEMBER 2025

ABOUT ENERGY COMPACTS

Energy Compacts are voluntary, trackable commitments that unite governments, businesses, and organizations in a shared mission: to achieve Sustainable Development Goal 7 (SDG7) and advance the global clean energy transition. Launched by UN-Energy in 2021, these Compacts serve as actionable blueprints, detailing specific, time-bound steps to accelerate progress toward universal energy access and net-zero emissions.

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For more information, please visit the UN Energy Compacts website: **UN.org/EnergyCompacts**

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