



SDG7 Energy Compact of TotalEnergies

A next Decade Action Agenda to advance SDG7 on sustainable energy for all, in line with the goals of the Paris Agreement on Climate Change

SECTION 1: AMBITION

1.1. Ambitions to achieve SDG7 by 2030.

(Member States targets could be based on their NDCs, energy policies, national five-year plans etc. targets for companies/organizations could be based on their corporate strategy)

<input type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable and modern energy services.	Target(s): Time frame: Context for the ambition(s):
<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	Target(s): Ambition to have developed a gross capacity of 100 GW of installed renewable power generation Time frame: 2021-2030 Context for the ambition(s): In 2020, TotalEnergies has set an ambition to get to net zero carbon emissions by 2050, from the production to the use of the energy products sold to its customers (Scopes 1, 2, 3), together with society. To support this ambition, the Company's strategy consists in transforming into a broad energy company, including by accelerating its growth in electricity and renewables. As part of this, TotalEnergies aims to be among the world's top 5 actors in renewable energies by 2030, with the ambition to have developed a gross capacity of 100 GW of installed renewable power generation by 2030 (compared to 7 GW by the end of 2020).
<input type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.	Target(s): Time frame: Context for the ambition(s):
<input type="checkbox"/> 7.a. By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.	Target(s): Time frame: Context for the ambition(s):
<input type="checkbox"/> 7.b. By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programs of support.	Target(s): Time frame: Context for the ambition(s):

SECTION 2: ACTIONS TO ACHIEVE THE AMBITION

2.1. Please add at least one key action for each of the elaborated ambition(s) from section 1.

<p><i>Description of action (please specify for which ambition from Section 1)</i> 7.2 In order to support the ambition to have developed a gross capacity of 100 GW of installed renewable power generation by 2030, TotalEnergies aims to channel about \$ 60 billion in gross investment to renewables and electricity in the next 10 years.</p>	<p><i>Start and end date</i> From 2021 to 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i> 7.2: The ambition is to have developed a gross capacity of 100 GW of installed renewable power generation by 2030. For that, the Company has set an interim target of reaching 35 GW of gross renewable capacity by 2025 and is accelerating its developments to become a major international player in renewables energies. At year-end 2020, gross production installed capacity of renewable electricity totaled 7 GW, compared with 3 GW at year-end 2019 and less than 1 GW at year-end 2017. As of end of Q2'2021, the Company has built a portfolio of 41.7 GW of renewables - of which 8.3 GW of installed capacity, 5.4 GW of capacities in construction and 28 GW of capacities in development. In particular, TotalEnergies has closed more than 10 GW of renewables projects in 2020.</p>	<p><i>Start and end date</i> From 2021 to 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i> 7.2: The ambition to have developed a gross capacity of 100 GW of installed renewable power generation by 2030 corresponds to a net generation of 90 TWh per year of renewable electricity and represents the main effort of the Company in seeking to shift its projected energy sales mix to 15% of primarily renewable electricity by 2030. By contributing to increasing the share of renewables in the global energy mix, we participate in reducing the share of emissions for both our own industrial activities but also our customers, including major business players, to which we provide renewables solutions. As way of example, to speed up the deployment of low-carbon solutions for all our operations and infrastructure, one of TotalEnergies projects includes the acquisition of Spanish solar sites that will be expected to supply all the TotalEnergies sites in Europe by 2025. This corresponds to 10 TWh of energy entirely used from renewable energy. TotalEnergies also offers similar solutions to its customers, with the possibility to supply their site with renewable energy through Corporate power purchase agreements (CPPAs) to help them reduce their carbon footprint. In 2021, TotalEnergies offered this solution to Microsoft, Amazon, Orange, Air Liquide or Merck & Co. in order to supply several of their European sites with renewable energy. Same for L'Oréal, which will benefit from solar energy produced directly at its production plant in Vichy (France), thanks to the 4,000 photovoltaic panels installed by TotalEnergies on the site, and which will cover 33% of the site's energy needs.</p>	<p><i>Start and end date</i> From 2021 to 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i> 7.2 As part of TotalEnergies' transformation, we will be particularly attentive to the skill adaptation of our employees. They may need training to transition professionally towards new jobs in renewables and electricity. In 2020, TotalEnergies launched its <i>One Tech</i> project, designed to address the twofold challenge posed by evolving energy markets and climate change. <i>One Tech</i> involves consolidating and enhancing the Company's technical and engineering skills within a single entity, with the aim of tackling the challenge of climate change and building TotalEnergies' research & development of the future. <i>One Tech</i> project is both structuring the organization to support these new businesses and managing current and future talents, to develop skills supporting the ambition to reach Net Zero more effectively and become more innovative.</p>	<p><i>Start and end date</i> Starting in 2021</p>

SECTION 3: OUTCOMES

3.1. Please add at least one measurable and time-based outcome for **each** of the actions from section 2.

<p><i>Outcome.</i> The Company plans to increase its net investment in renewables and electricity to more than \$ 2 billion per year between 2021 and 2025 and more than \$ 3 billion per year beyond 2025, representing more than 20% of the Company net investment beyond 2025. In 2021, the Company expects to spend more than 2-3 billion \$ as it has already announced the acquisition of 20% stake in AGEL in January for more than 2 billion \$ as well as the acquisition of a 23% interest in the offshore Wind Farm Yunlin in Taiwan (640 MW) and had 5.4 GW of renewables in construction as of end of Q2.</p>	<p><i>Date</i> 2025-2030</p>
<p><i>Outcome</i> The Company has set an interim target of reaching 35 GW of gross renewable capacity by 2025.</p>	<p><i>Date</i> 2025</p>

<p><i>Outcome</i> In 2015, oil products accounted for 66% of our sales, gas 33% and electricity less than 1%. In 2019, electricity represented already 5% of the Company energy sales mix. By 2030, the Company's sales of oil products are expected to diminish by almost 30%, and TotalEnergies' sales mix will become 30% oil products, 5% biofuels, 50% natural gas and 15% electrons, primarily of renewable origin. This corresponds to a net generation of 90 TWh per year of renewable electricity in 2030 and 30 TWh net in 2025.</p>	<p><i>Date</i> 2025-2030</p>
<p><i>Outcome</i> 3,300 engineers and technicians will be brought together under one big umbrella – One Tech – as of autumn 2021. By doing so, we will be merging all of the Company's technical expertise to meet several objectives. It will allow the teams to learn from each other and base our growth in renewables and electricity on the industrial fundamentals that have made Total a leader in hydrocarbons. It will also offer career development opportunities in new energies to all our employees and stimulate innovation to everyone's benefit.</p>	<p><i>Date</i> 2021 and ongoing</p>

SECTION 4: REQUIRED RESOURCES AND SUPPORT

4.1. Please specify required finance and investments for **each** of the actions in section 2.

TotalEnergies aims to channel about \$ 60 billion in investment to renewables and electricity in the next 10 years.

SECTION 5: IMPACT

5.1. Countries planned for implementation including number of people potentially impacted.

TotalEnergies has an industrial and retail presence in more than 130 countries spanning five continents. Three regions in particular are the long-standing cornerstones of the Company's strategy: Europe, the Company's decision-making center; the Middle East, where TotalEnergies is recognized as a preferred partner among producing countries and national companies; and Africa, with its substantial oil and gas production and Company-branded service stations. TotalEnergies is applying his integrated model to leveraging on its geographical footprint in relation to the new electricity and renewables businesses in which it has staked out a position in recent years. The Company can leverage those businesses with the know-how and resources inherent in its business model, including a global brand and presence, technical expertise and partnerships with governments and local communities.

The development of our renewable electricity infrastructure is global, with the ambition to positively impact about 80 million people all over the world. While the development of our projects was primarily focused in Europe, our current footprint spans different continents and is planned to continue expanding towards developing countries. TotalEnergies' renewable activities are present in more than 40 countries with assets in operation, in construction or in advanced development. Our key development engines are in:

- France where TotalEnergies operates more than 1 GW of renewables assets
- Spain where TotalEnergies has secured a portfolio of 5 GW of solar assets in development
- USA where TotalEnergies has secured a portfolio of 4 GW of solar and battery assets in development
- UK where TotalEnergies has secured more than 3 GW of offshore Wind farms
- India where TotalEnergies has secured 2.35 GW of solar assets in operation and owns a 20 % stake in AGEL, the leading solar developer in India
- Latin America and in particular Brazil where TotalEnergies has a strong footprint thanks to its stakes in TOTAL Eren
- In Africa, TotalEnergies has a strong footprint in South Africa thanks to its Prieska solar farm in operation and thanks to its latest award in the last South African tender. In addition, the Company owns 15 MW in Burkina Faso, 10 MW in Uganda and 126 MW of solar farm in Egypt and is developing many more African countries thanks to its stakes in TOTAL Eren.

In order to fuel the growth in renewable power across the world, a worldwide network of "renewable explorers" is being implemented within the Company in order to accelerate the development of utility scale renewable projects in countries where the Company is already present and where renewables have a growth potential. The scope of their work includes all the technologies in which TotalEnergies is active: solar photovoltaic, onshore wind, offshore wind, battery storage.

At least one third of our 100 GW gross capacity ambition– i.e. 33 GW – is expected to be developed in emerging or developing countries in Asia, Africa, Middle East and South America. About 40 million people will benefit from this renewable energy in these regions, providing them with more reliable and sustainable electricity or a first-time decent access to power, considerably improving their daily lives.

5.2. Alignment with the 2030 Agenda for Sustainable Development – Please describe how **each** of the actions from section 2 impact advancing the SDGs by 2030.

Action 1:

- SDG 1: supporting our host countries improve their energy mix towards lower carbon solutions that contribute to limiting climate change, by gathering \$ 60 billion of investments until 2030 for renewables and electricity (target 13.2)
- SDG 9: developing resilient energy infrastructures that support a sustainable industrialization by investing on R&D to continue working on the smart deployment of cleaner energy, and developing sustainable energy infrastructures in several geographies, including developing countries.
- SDG 11: allowing the deployment of low-carbon transportation powered with renewable electricity (target 11.2).

Action 2:

- SDG 7: Our ambition doesn't not only contribute to advancing target 7.2 but also the other targets of SDG 7. The projects rely on international cooperation in R&D for access to renewable energies (target 7.a) and entail the development of infrastructure to promote modern and sustainable energy services for as many inhabitants as possible (target 7.b).
- SDG 17: contributing to strength the local economy of southern countries with cooperation and partnerships, for example through technology transfer plans.
- SDG 8: favorizing the upskilling of employees and the creation of new jobs in innovative fields and energy infrastructure modernization sectors
- SDG 12: integrating sustainable development into its core business and strategy, with the aim to develop renewable sources and reduce the consumption of limited resources

Action 3:

- SDG 3: helping our customers shifting their consumption habits. Households that will replace heating with fuel oil by modern access to energy will experience a reduction of emissions in the air, which benefits to their air quality and their health (target 3.9)
- SDG 11: facilitating the development of more sustainable and low-carbon housing (target 11.1) and the development of sustainable transportation (target 11.2).

Action 4:

- SDG 8: ensuring the transfer of the know-how of engineers and technicians towards lower carbon activities, and with the aim to train and upskill those employees with traditional hydrocarbons competencies towards other fields. Ensuring a decent job to those impacted by the energy transition.
- SDG 10 & SDG 5: Our actions are in line with our non-discrimination policy, ensuring equal access to opportunities for all employees regardless of their origin, gender, sexual orientation, disability, age, membership of a political party, union or a religious organization (SDG 10), and therefore contributing to allowing female employees to access leadership positions in the technical field (SDG 5).

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how **each** of the actions from section 2 align with the Paris Agreement and national NDCs (if applicable) and support the net-zero emissions by 2050.

Action 1: TotalEnergies supports the objectives of the Paris Agreement, which calls to reduce greenhouse gas emissions in the context of sustainable development and eradicating poverty. TotalEnergies proactively joined with the industry and the international community to identify joint solutions for capping the increase in global temperatures below 2°C. Every significant capital expenditure is subject to review in light of the goals laid out in the Paris Agreement.

Action 2: TotalEnergies supports the objective of achieving global carbon neutrality. The ambition of the Company is to be a major player in the energy transition and TotalEnergies wishes to support the society to achieve the Paris agreements. The development of renewable facilities is part of the Company's strategy, in order to achieve net zero emissions by 2050 from its production to the use of energy products sold to its customers (Scope 1, 2, 3), together with society.

Action 3: TotalEnergies recognizes that the Paris Agreement is a major advance in the fight against climate change and supports the initiatives of the implementing States to fulfill its aims. TotalEnergies supports policies, initiatives and technologies to promote growth in renewable energies. By investing massively in renewable electricity, TotalEnergies changes its energy mix in order to contribute to the achievement of the goals set out in the Paris Agreement.

Action 4: The Paris Agreement takes into account the imperatives of a just transition of the workforce and the creation of decent work and quality jobs, which is the aim of the One Tech project through supporting the Company's employees in their upskilling and employability as the Company transforms its business model towards lower carbon energies.

SECTION 6: MONITORING AND REPORTING

6.1. Please describe how you intend to track the progress of the proposed outcomes in section 3. Please also describe if you intend to use other existing reporting frameworks to track progress on the proposed outcomes.

TotalEnergies intends to provide an annual update on how its energy mix of production and sales is evolving by publishing its yearly ESG reports. In particular the Company publishes within its Universal registration document its non-financial performance statement, in which the climate section is prepared following the TCFD recommendations. Last but not least, TotalEnergies provides full disclosure of its progress by responding to the CDP Climate questionnaire, which is publicly available. Furthermore, all the indicators related to the installed power generation gross capacity from renewable energy, capacities in construction and capacities in development to 2025 are published each quarter in the Company's results and allow us to track the progress of the proposed outcomes.

On the front of employees upskilling, TotalEnergies provides information on training and employee retention in its yearly non-financial performance statement.

SECTION 7: GUIDING PRINCIPLES CHECK LIST

Please use the checklist below to validate that the proposed Energy Compact is aligned with the guiding principles.

I. Stepping up ambition and accelerating action - Increase contribution of and accelerate the implementation of the SDG7 targets in support of the 2030 Agenda for Sustainable Development for Paris Agreement

I.1. Does the Energy Compact strengthen and/or add a target, commitment, policy, action related to SDG7 and its linkages to the other SDGs that results in a higher cumulative impact compared to existing frameworks?

Yes No

I.2. Does the Energy Compact increase the geographical and/or sectoral coverage of SDG7 related efforts? Yes No

I.3. Does the Energy Compact consider inclusion of key priority issues towards achieving SDG7 by 2030 and the net-zero emission goal of the Paris Agreement by 2050 - as defied by latest global analysis and data including the outcome of the Technical Working Groups? Yes No

II. Alignment with the 2030 agenda on Sustainable Development Goals – Ensure coherence and alignment with SDG implementation plans and strategies by 2030 as well as national development plans and priorities.

II.1. Has the Energy Compact considered enabling actions of SDG7 to reach the other sustainable development goals by 2030? Yes No

II.2. Does the Energy Compact align with national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps? Yes No

II.3. Has the Energy Compact considered a timeframe in line with the Decade of Action? Yes No

III. Alignment with Paris Agreement and net-zero by 2050 - Ensure coherence and alignment with the Nationally Determined Contributions, long term net zero emission strategies.

III.1. Has the Energy Compact considered a timeframe in line with the net-zero goal of the Paris Agreement by 2050? Yes No

III.2. Has the Energy Compact considered energy-related targets and information in the updated/enhanced NDCs? Yes No

III.3. Has the Energy Compact considered alignment with reaching the net-zero emissions goal set by many countries by 2050? Yes No

IV. Leaving no one behind, strengthening inclusion, interlinkages, and synergies - Enabling the achievement of SDGs and just transition by reflecting interlinkages with other SDGs.

IV.1. Does the Energy Compact include socio-economic impacts of measures being considered? Yes No

IV.2. Does the Energy Compact identify steps towards an inclusive, just energy transition? Yes No

IV.3. Does the Energy Compact consider measures that address the needs of the most vulnerable groups (e.g. those impacted the most by energy transitions, lack of energy access)? Yes No

V. Feasibility and Robustness - Commitments and measures are technically sound, feasible, and verifiable based a set of objectives with specific performance indicators, baselines, targets and data sources as needed.

V.1. Is the information included in the Energy Compact based on updated quality data and sectoral assessments, with clear and transparent methodologies related to the proposed measures? Yes No

V.2. Has the Energy Compact considered inclusion of a set of SMART (specific, measurable, achievable, resource-based and time based) objectives? Yes No

V.3. Has the Energy Compact considered issues related to means of implementation to ensure feasibility of measures proposed (e.g. cost and financing strategy, technical assistant needs and partnerships, policy and regulatory gaps, data and technology)? Yes No

SECTION 8: ENERGY COMPACT GENERAL INFORMATION

8.1. Title/name of the Energy Compact

[TotalEnergies' ambition to have developed 100 GW of renewable installed gross capacity by 2030.](#)

8.2. Lead entity name (for joint Energy Compacts please list all parties and include, in parenthesis, its entity type, using entity type from below)

[TotalEnergies SE](#)

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization/Youth

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

[Carole LE GALL, Senior Vice President Sustainability & Climate, carole.le-gall@totalenergies.com](#)

8.5. Please select the geographical coverage of the Energy Compact

Africa Asia and Pacific Europe Latin America and Caribbean North America West Asia Global

8.6. Please select the Energy Compact thematic focus area(s)

Energy Access Energy Transition Enabling SDGs through inclusive just Energy Transitions Innovation, Technology and Data Finance and Investment.

SECTION 9: ADDITIONAL INFORMATION (IF REQUIRED)

Please provide additional website link(s) on your Energy Compact, which may contain relevant key documents, photos, short video clips etc.

- [TotalEnergies' sustainable performance website \(climate section\)](#)
- [TotalEnergies latest climate report](#)
- [TotalEnergies' renewables website](#)