CO$_2$
CO₂ emissions: a -55% drop in 2019 vs 2016 of scope 1 emissions

Scope 1 evolution of ENGIE

<table>
<thead>
<tr>
<th>Year</th>
<th>Mt</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>154 Mt</td>
</tr>
<tr>
<td>2016</td>
<td>121 Mt</td>
</tr>
<tr>
<td>2017</td>
<td>90 Mt</td>
</tr>
<tr>
<td>2018</td>
<td>66 Mt</td>
</tr>
<tr>
<td>2019</td>
<td>54 Mt</td>
</tr>
</tbody>
</table>

Electric production

80 Mt
-47% since 2016

(1) Scope 1 (51 Mt) and equity-accounted assets in scope 3 (29 Mt)
SBT 2°C certification achieved

Reduce the intensity of emissions of its power generation activities by **52%** to **180 gCO₂ / kWh** (2030 on 2017)

Reduce Scope 3 emissions on used products by **34%** by 2030 on 2017

Date of certification: 6th February 2020
Our commitments to mitigate our impact on climate

<table>
<thead>
<tr>
<th>Decarbonizing our customers</th>
<th>Decarbonizing our activities</th>
<th>Decarbonizing our ways of working and purchasing</th>
</tr>
</thead>
<tbody>
<tr>
<td>At the core of our strategy, we are actively building a methodology to measure our customers’ avoided emissions we enable</td>
<td>Despite strong reductions of GHG emissions, the Group remains a large emitter. Our trajectory is in line with the Paris Agreement (SBT certified)</td>
<td>Walking the talk - it is important to act on our ways of working to shift the company culture to align it with a carbon neutral world</td>
</tr>
<tr>
<td>100% of our offers will have an alternative that contribute to decarbonation by 2030</td>
<td>Reduce the intensity of emissions of its power generation activities by 52% to 180 gCO₂ / kWh by 2030 from 2017</td>
<td>100% of our preferred suppliers (except energy purchase) will be certified SBT by 2030</td>
</tr>
<tr>
<td>This objective shall be replaced once our methodology and processes to calculate avoided emissions for our clients are defined and operational</td>
<td>Reduce Scope 3 emissions on use of sold products by 34% by 2030 from 2017</td>
<td>Achieve net zero emissions on our ways of working by 2030</td>
</tr>
</tbody>
</table>
Adapting to future climatic changes

ENGIE supported the Task Force on Climate-related Financial Disclosures work and is implementing its recommendations. We are now currently:

- Assessing financial risks of climate change on our infrastructures before
- Designing Group adaptation plans to reduce our vulnerability to climate impacts

In details

1. We identified the specific vulnerability to climate change of each type of assets owned by the Group

2. We built a partnership with IPSL (Institut Pierre Simon Laplace) to assess at a regional level the physical consequences of climate change according to the needs previously defined

3. Based on the elements, we shall measure the potential impacts of climate change on our assets. Each industrial site will be able to elaborate its adaptation plan.
SUSTAINABILITY
## 2019 results on 2020 CSR objectives

### ENGIE committed in 2016 to 6 ambitious CSR objectives to be achieved by 2020

To support its strategic ambition and demonstrate its impacts on society

### CSR governance designed to ensure commitment across the Group

CSR performance reviews led by CSR Department with Business Units

<table>
<thead>
<tr>
<th>Objective</th>
<th>Key Performance Indicator</th>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>2020 Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Supporting our customers in the energy transition</td>
<td>Satisfaction rate among our B2C customers</td>
<td>83%</td>
<td>81%</td>
<td>72% (1)</td>
<td>≥ 85%</td>
</tr>
<tr>
<td>2) Renewable</td>
<td>Share of renewable energy in the electricity generation capacity (2)</td>
<td>23%</td>
<td>24%</td>
<td>28%</td>
<td>≥ 25%</td>
</tr>
<tr>
<td>3) Greenhouse gas emissions (3)</td>
<td>% reduction in ratio of CO₂ emissions to energy production compared with 2012</td>
<td>-18%</td>
<td>-29%</td>
<td>-44%</td>
<td>≤ -20%</td>
</tr>
<tr>
<td>4) Stakeholder dialogue</td>
<td>% of industrial activities covered by a suitable dialogue and consultation mechanism</td>
<td>48%</td>
<td>53%</td>
<td>74%</td>
<td>100%</td>
</tr>
<tr>
<td>5) Gender diversity</td>
<td>% of women in the Group’s workforce</td>
<td>22%</td>
<td>22%</td>
<td>21%</td>
<td>≥ 25%</td>
</tr>
<tr>
<td>6) Health and safety</td>
<td>Internal frequency rate for occupational accidents</td>
<td>3.3</td>
<td>3.4</td>
<td>3.7</td>
<td>≤ 3</td>
</tr>
</tbody>
</table>

(1) Modification of methodology in 2019 (survey using emails instead of phone calls; impact: -12 points)
(2) At 100% and excluding Client Solutions capacities
(3) Direct CO₂ eq emissions (scope 1) of entities integrated by ENGIE
# New CSR objectives contributing to measuring the global performance of the Group

## Planet

Respecting planetary limits by acting in particular for the Paris Agreement

- 43 Mt CO₂eq from production of electricity (regardless of asset ownership), line with the SBT trajectory by 2030
- 65 Mt CO₂eq from gas sales, in line with the SBT trajectory by 2030
- Share of renewable energy in the electric capacity mix
- 100% of our offers with an alternative that contribute to decarbonation by 2030
- 100% of our preferred suppliers (except energy purchase) certified SBT by 2030

Other indicators followed

- GHG emissions from our ways of working
- Share of activities, projects and dismantling sites with an environmental plan
- Share of industrial sites with an ecological management
- Water consumption from industrial activities compared to 2019

## People

Building a new and more inclusive world of energy together

- Frequency rate of accident (including suppliers on closed sites) limited to 2.9 by 2030
- 50% women in the management of the Group by 2030
- Score of 100 of the gender equity index at Group level by 2030

Other indicators followed

- Health & safety prevention rate
- Share of apprentices in Europe
- Share of employees with annual training
- Training of the staff most exposed to the risk of corruption
- Number of beneficiaries with access to clean and reliable energy
- Share of activities, projects and dismantling sites with a societal plan
- Responsible purchasing index score

## Profit

Ensuring responsible performance shared between employees, shareholders and stakeholders

- 6 - 8% 2019-22 NRIGS CAGR
- Economic net debt to EBITDA ratio below 4.0
- Dividend policy of a 65 - 75% pay out ratio
- €22bn Capex plan over 2019-22, of which ~€10bn for growth

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(1) If the law changes

(2) Index includes CSR evaluation, payment delays and inclusive purchasing
Leading position in CSR ratings and indexes

ENGIE listed in the main indexes

DJSI World, DJSI Europe, Industry Leader

- SUSTAINABILITY
- BUSINESS APPENDICES

Euronext Vigeo Eiris World 120, Europe 120, Eurozone 120 and France 20

<table>
<thead>
<tr>
<th>Index</th>
<th>2019</th>
<th>2019</th>
<th>2019</th>
<th>2019</th>
<th>2019</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAM</td>
<td>82</td>
<td>75</td>
<td>66</td>
<td>A</td>
<td>A</td>
<td>82</td>
</tr>
<tr>
<td>SUSTAINALYTICS</td>
<td>48</td>
<td>73</td>
<td>55</td>
<td>BBB</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Vigeo Eiris</td>
<td>75</td>
<td>66</td>
<td>A</td>
<td>A</td>
<td>BB</td>
<td>75</td>
</tr>
<tr>
<td>MSCI</td>
<td>73</td>
<td>55</td>
<td>BBB</td>
<td></td>
<td></td>
<td>73</td>
</tr>
<tr>
<td>Climat 2019</td>
<td>66</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td>66</td>
</tr>
<tr>
<td>Water 2019</td>
<td>55</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td>55</td>
</tr>
<tr>
<td>Euronext</td>
<td>52</td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td>52</td>
</tr>
</tbody>
</table>

(1) Sector CDP (EDF, EON, RWE, ENEL, IBERDROLA, ENGIE)
Introduction of a sustainability performance mechanism indexing the margin (± 1.5 bp) to two climate change KPIs: direct (scope 1) CO₂ emissions and renewable energy capacities for electricity production.

First step to increase financing of the Group through sustainable finance tools.
Leading issuer of green bonds with €9.65bn issued since 2014

<table>
<thead>
<tr>
<th>Bonds</th>
<th>Amount issuance - In €bn</th>
<th>Allocation period</th>
<th>Reporting</th>
<th>Impact (@100%) - In MtCO₂/year(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 2019</td>
<td>0.9</td>
<td>NEW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 2019</td>
<td>1.5</td>
<td>NEW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 2019</td>
<td>1.0</td>
<td>2018 - 2019</td>
<td>2019 Universal Registration document (ongoing)</td>
<td>3.17(2)</td>
</tr>
<tr>
<td>January 2018</td>
<td>1.0</td>
<td>2018 - 2019</td>
<td>2019 Universal Registration document (ongoing)</td>
<td>3.39(2)</td>
</tr>
<tr>
<td>September 2017</td>
<td>1.25</td>
<td>2017 - 2018</td>
<td>2018 Registration document</td>
<td>3.16</td>
</tr>
<tr>
<td>March 2017</td>
<td>1.5</td>
<td>2016 - 2017</td>
<td>2017 Registration document</td>
<td>3.3</td>
</tr>
<tr>
<td>May 2014</td>
<td>2.5</td>
<td>2014 - 2016</td>
<td>2015 and 2016 Registration documents</td>
<td>8.7</td>
</tr>
</tbody>
</table>

€2bn Green Bond issued in January 2018 and January 2019 fully allocated(2)

% Funds allocated by geographical area

- Africa: 6%
- North America: 18%
- Latin America: 12%
- Europe: 58%
- Asia Pacific: 6%

% Funds allocated by technology

- Wind: 32.8%
- Solar: 24.6%
- R&D: 4.8%
- Biomass: 8.5%
- Energy efficiency: 17.4%
- Geothermal: 0.7%
- District cooling: 0.5%
- Green Mobility: 10.0%

(1) Projects’ contributions to avoided or reduced emissions
(2) Yearly allocation & impact
2020 – an important year for biodiversity

International commitments

Engaged in act4nature, since 2018

Covering biodiversity issue along the value chain: governance, strategy and supply

2020, a milestone year: renewal of commitments for act4nature international and new commitments to come for French act4nature

Illustration of commitments performed

Maintain and update a tool for locating and sharing knowledge on protected areas around the world

End 2019, 94% of priority sites developed an integrated environmental management plan developed in collaboration with their stakeholders

Provide employees with information support and training

End 2019, 94% of priority sites developed an integrated environmental management plan developed in collaboration with their stakeholders

Maintain and update a tool for locating and sharing knowledge on protected areas around the world

Provide employees with information support and training
Rassembleurs d’Energies: at the forefront of ENGIE’s positive impacts

Strong environmental and social impacts

- Off-grid electrification, clean cooking, energy efficiency, circular economy
- ~4.5 million beneficiaries of clean energy worldwide
- ~20,000 Group employees have invested in ENGIE Rassembleurs d’Energies FCPE
- ~6,000 jobs
# 2019 investments of Rassembleurs d’Energies: new geographies & new business models

<table>
<thead>
<tr>
<th>1st investment in the circular economy in France</th>
<th>Providing access to affordable productive use of power</th>
<th>Further contributing to scale up SHS in emerging countries</th>
<th>Extending clean cooking solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social-economy-certified (ESUS) company specialized in collecting &amp; repurposing bio-waste into biofuel &amp; renewable energy in the North of France</td>
<td>US company that creates products that help those living under $4 per day to access affordable productive use of power (Solar refrigeration, solar pumps and scalable Solar home systems).</td>
<td>ENGIE RDE participated to $50m Series D equity round to accelerate the roll-out of BBOXX’s solar home systems &amp; additional products across Africa as well as in Asia.</td>
<td>Following 2017 Series A successful initial investment in Atec Bio, ENGIE RDE has participated in a series B round in Atec Bio. Atec bio is currently deploying the first Paygo biodigester device in the sector that will help significantly extend its reach to poor populations.</td>
</tr>
</tbody>
</table>

**Gas & fertiliser come out**

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**SUSTAINABILITY**

**BUSINESS APPENDICES**

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