



# APPENDICES FY 2017 RESULTS

March 8<sup>th</sup>, 2018





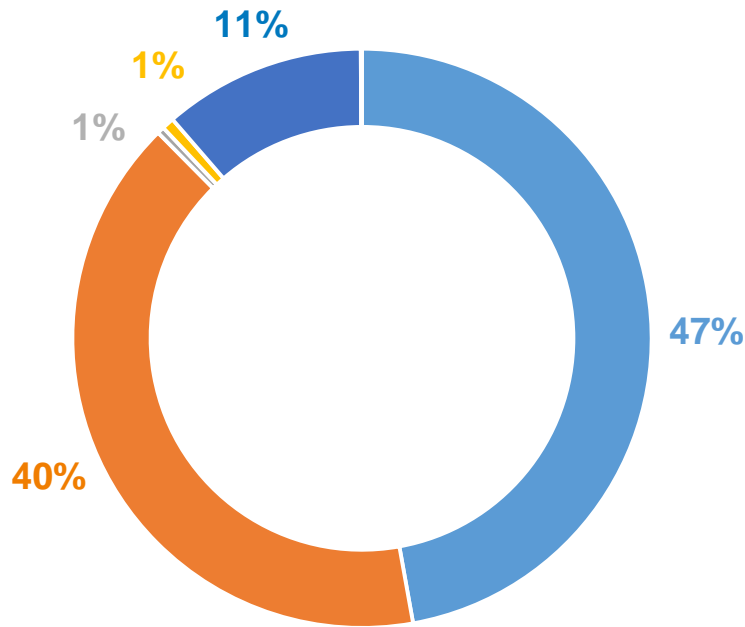
CO<sub>2</sub>



— CO<sub>2</sub>

# CO<sub>2</sub> EMISSIONS: A -26% DROP IN 2017 VS 2016 OF DIRECT EMISSIONS DUE TO DECREASING COAL FIRED ASSETS

2017 - UNAUDITED FIGURES



- Coal-Lignite
- Natural Gas
- Heavy fuel oil (HFO)
- Heating oil, gasoil, light fuel oil (LFO)
- Other non-bio fuels

## COVERAGE OF CO<sub>2</sub> EMISSIONS

*In mt*

Direct emissions of greenhouse gases in 2017 89.2

of which direct emissions of greenhouse gases under the EU-ETS system 34.6

Allocation of bonus quotas 0.9

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# SUSTAINABILITY

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## ON TRACK TO ACHIEVE 2020 GROUP AMBITION

### 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
- **2017 results on track**, the Group is fully committed to implement its sustainable growth strategy

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

- **CSR performance reviews** led by CSR Department with Business Units

Objective	Key Performance Indicator	FY 2015	FY 2016	FY 2017	2020 target
<b>1) Supporting our customers in the energy transition</b>	Satisfaction rate among our B2C customers	NA	81%	83%	85%
<b>2) Renewable</b>	Share of renewable energy in the electricity generation capacity	18.3%	19.5%	23.1%	25%
<b>3) Greenhouse gas emissions</b>	% reduction in ratio of CO <sub>2</sub> emissions to energy production compared with 2012	+0.6%	-11.3%	-18.1%	-20%
<b>4) Stakeholder dialogue</b>	% of industrial activities covered by a suitable dialogue and consultation mechanism	NA	20%	48%	100%
<b>5) Gender diversity</b>	% of women in the Group's workforce	21.6%	21.9%	22.2%	25%
<b>6) Health and safety</b>	Internal frequency rate for occupational accidents	3.6	3.6	3.3	< 3

# CONTRIBUTION OF ENGIE CSR OBJECTIVES TO UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

ENGIE CSR objectives support the Group's ambition of energy transition leaderships and contribute to the global sustainable development priorities defined by the United Nations



25%<sup>(1)</sup> renewable energy in the generating capacity mix, new renewable projects, sustainable energy access for all (2.4 million beneficiaries of "Rassembleurs d'Energies" projects as of End 2017), 20 million<sup>(1)</sup> beneficiaries of sustainable-energy access programs at the "Base of the Pyramid"



€1.5bn Expenditure in emerging & digital technologies between 2016 and 2018, €165m ENGIE New Ventures fund investing in startups



Objective of Health & Safety (internal accident frequency rate below 3<sup>(1)</sup>), "our life-saving rules" to reduce fatal accidents



Objective of gender diversity (25%<sup>(1)</sup> of woman in the workforce), 38.5% of woman appointed as Senior Executive in 2017



Support our customers in the energy transition (B2C satisfaction rate above 85%<sup>(1)</sup>), develop Stakeholder Engagement (all industrial activities covered by a suitable dialogue<sup>(1)</sup>), objective of 100% of target sites with an integrated environmental management plan drawn up in collaboration with their stakeholders<sup>(1)</sup>



Cut CO<sub>2</sub> emissions ratio for energy production by -20%<sup>(2)</sup>, exit from coal power generation (60% cut in coal power generation capacity as of End 2017, vs 2015)



Member of the CEO water mandate from 2008, objective to reduce freshwater withdrawal ratio associated with energy generation by -15%<sup>(2)</sup>



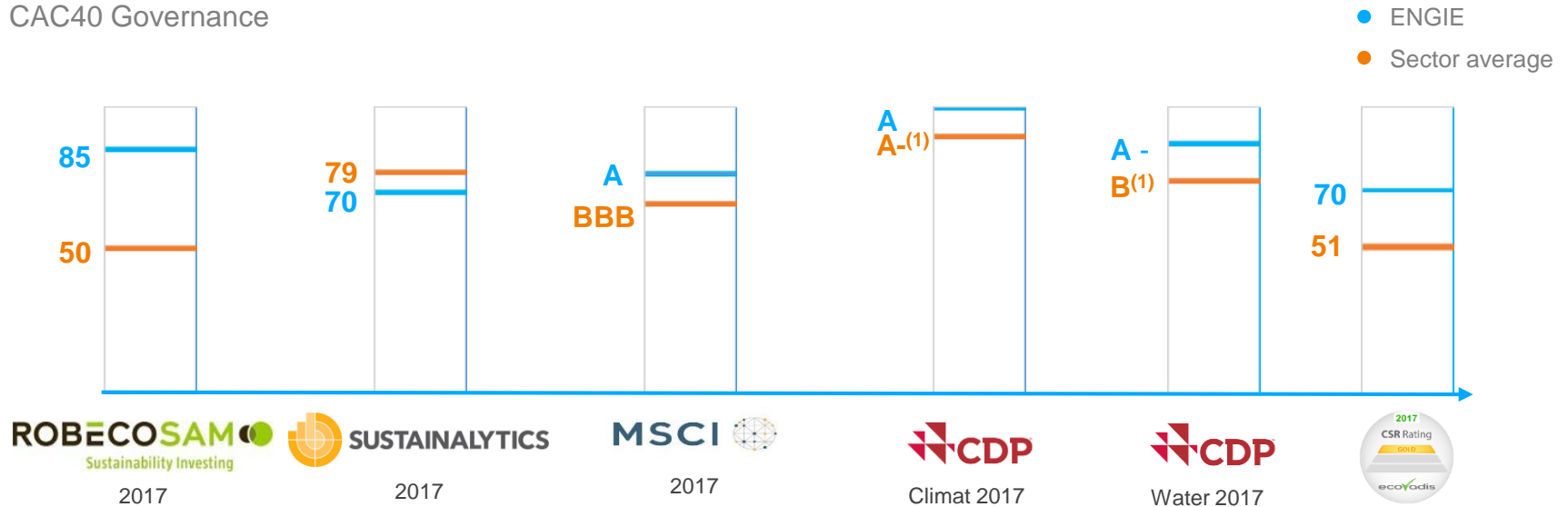
ENGIE's commitment to the French National Strategy on Biodiversity (SNB) from 2012, confirmed again in 2016

(1) By 2020  
(2) By 2020, vs 2012 level

# ENGIE WELL-POSITIONED IN CSR RATINGS AND INDEXES

## ENGIE listed in the main indexes

- DJSI World, DJSI Europe
- Euronext Vigeo Eiris World 120, Europe 120, Eurozone 120 and France 20
- CAC40 Governance



Communication on progress:  
Advanced level

### CERTIFICATIONS

- 82% of revenues covered by ISO 14001, EMAS<sup>(2)</sup>, other external EMS<sup>(3)</sup> certifications and internal EMS (2017)

(1) Sector CDP (EDF, EON, RWE, ENEL, IBERDROLA, ENGIE)  
 (2) Eco Management & Audit Scheme  
 (3) Environmental Management Scheme





# GREEN FINANCE TO SUPPORT ENGIE'S AMBITIOUS DEVELOPMENT STRATEGY IN RENEWABLE ENERGIES AND ENERGY EFFICIENCY

Green Bond: focus on some eligible projects allocated to March 2017 issuance

## Renewable energy projects



**Onshore wind projects (Mexico, Brazil, Australia, UK, France)**

2,050 MW

**Solar projects (USA, Brazil, France)**

320 MW

## Energy efficiency projects



**Acquisition of a 40% stake in Tabreed making ENGIE worldwide leader of independent district cooling**

Tabreed has over 71 district cooling plants located throughout the Gulf Cooperation Council and delivers over 1 million refrigeration tons to key developments in the region

ENGIE will support Tabreed's growth by contributing to delivering massively and efficiently low-carbon energy. District energy networks are the fastest and most efficient ways to decarbonize dense areas and supply them with clean, renewable energy



**50-year Comprehensive Energy Management Contract with The Ohio State University in the US**

Operation & optimization of the university's utility system to address its energy sustainability goals for its 485-building campus in Columbus with the objective to improve energy efficiency by 25% within 10 years

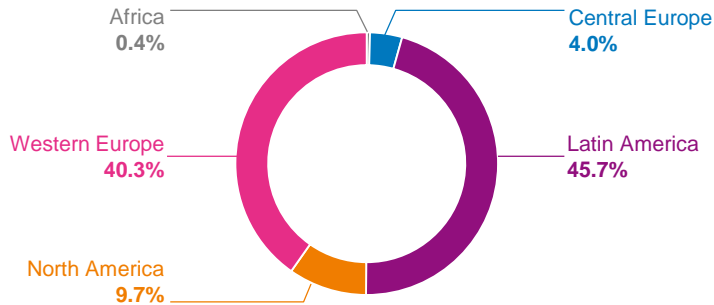
Construction of a new Energy Advancement and Innovation Center for energy research, where faculty, students, alumni, entrepreneurs, industry experts, and ENGIE researchers can collaborate on next-generation technologies and services in areas such as smart energy systems, renewable energy, and green mobility



# PROGRESS ON GREEN BOND ALLOCATION

## €2.5bn Green Bond issued in 2014 fully allocated

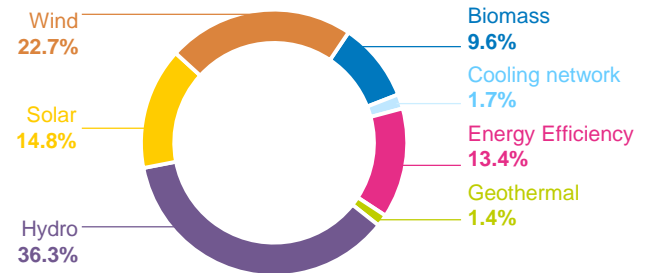
% FUNDS ALLOCATED BY GEOGRAPHICAL AREA



€2.5bn allocated at the end of 2016

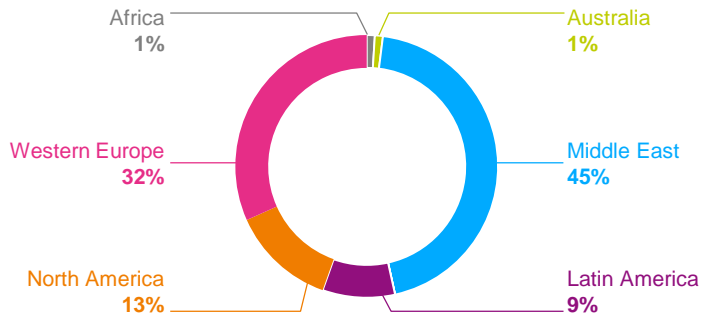
48 projects funded from 2014 to 2016

% FUNDS ALLOCATED BY TECHNOLOGY



## €1.5bn Green Bond issued in March 2017 fully allocated \*

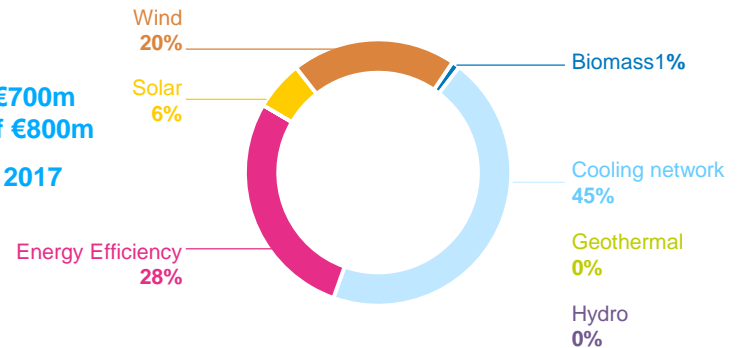
% FUNDS ALLOCATED BY GEOGRAPHICAL AREA



A 7-year tranche of €700m & a 11-year tranche of €800m

€1.5bn allocated in 2017 on 28 projects

% FUNDS ALLOCATED BY TECHNOLOGY



\* provisional allocation before validation by auditors