

RE

100

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INTRODUCTION TO RE100



Agenda

- Renewable energy in Japan
- What is RE100?
- Benefits of joining RE100
- 2017 Annual Report / company case studies
- Technical criteria / fees
- Opportunities

Japan

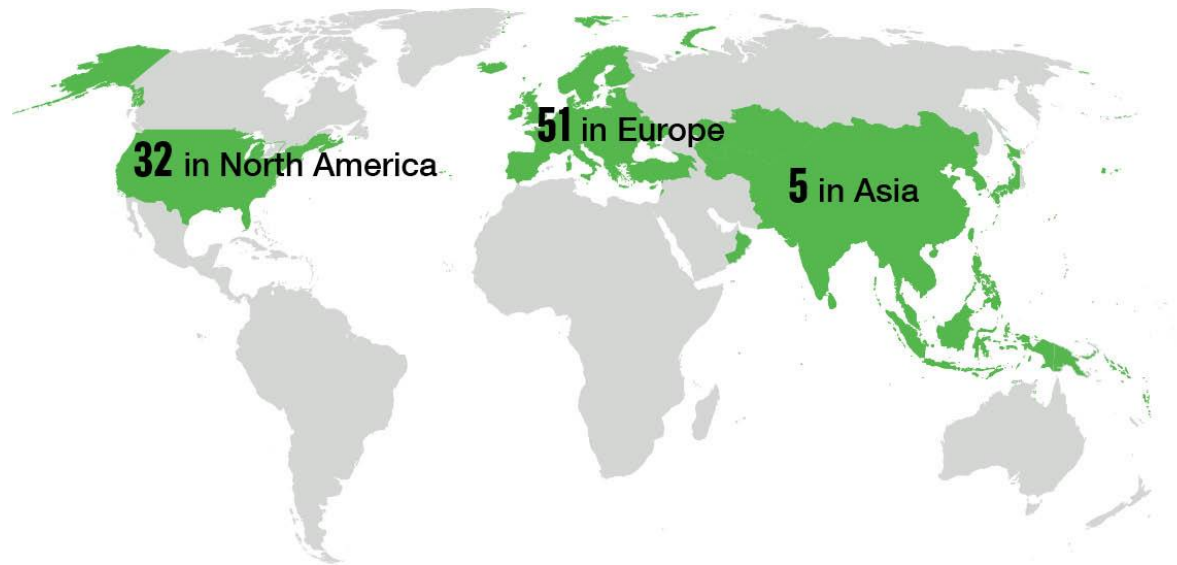
A 2015 study by the Ministry of the Environment showed:

- Japan sources **116.1 TWh** of renewable electricity, the lowest level of renewable power among G7 countries.
- But it has the potential to **triple** this by 2030 – through solar, wind, hydro, geothermal, biomass and ocean energy.

The corporate sector has a key role to play in scaling the uptake of renewable power.

What is RE100?

- Global initiative of the world's most influential companies, committed to 100% renewable power
- Led by The Climate Group in partnership by CDP.
- 88 members are creating demand for over **107 TWh** of renewable electricity – around the total amount currently being consumed by Japan.





Benefits

Why go 100% renewable?

- Long-term financial savings/stabilized energy bills
- Lower business risk
- Deliver on emissions reduction goals
- Reputational benefits

Why join RE100?

- Demonstrate global leadership
- Access knowledge sharing activities
- International profiling
- Networking/ speaking opportunities at key events
- Invitations to capacity building workshops in China and India

“The networking opportunities RE100 created for its members, for example during Climate Week NYC, allowed us to directly exchange with peers, to share our success related to our own PV generation, and to create the momentum to make the EP100 commitment.”

– Lasse Wallquist, Senior Environmental Management Specialist and Vice President, Corporate Real Estate & Logistics, Swiss Re



Benefits

At least one webinar per month, varying between:

- Peer-to-peer exchange
- Markets and policy with industry experts
- Joint webinars with Rocky Mountain Institute Business Renewables Center



Access to webinars is subject to membership level



“RE100 webinars provided us with valuable insights into the options for buying green power in **India and China**. The partnership with the BRC offered excellent learning opportunities on PPAs and in our case it led to an internal project evaluating the possibility of signing a VPPA in the US.”

Lasse Wallquist, Senior Environmental Management Specialist and Vice President, Corporate Real Estate & Logistics, Swiss Re

“The announcement around our joining RE100 at COP22 helped us **communicate our ambitions on renewable energy** in a better way to our stakeholders, and it was **well received internationally by businesses, governments and the media.**”

Prasant Tripathy, Group Manufacturing Head, Dalmia Cement (Bharat) Limited



Our 2017 Annual Report, based on 2015 data, showed that RE100 members are making progress towards 100% renewable power:

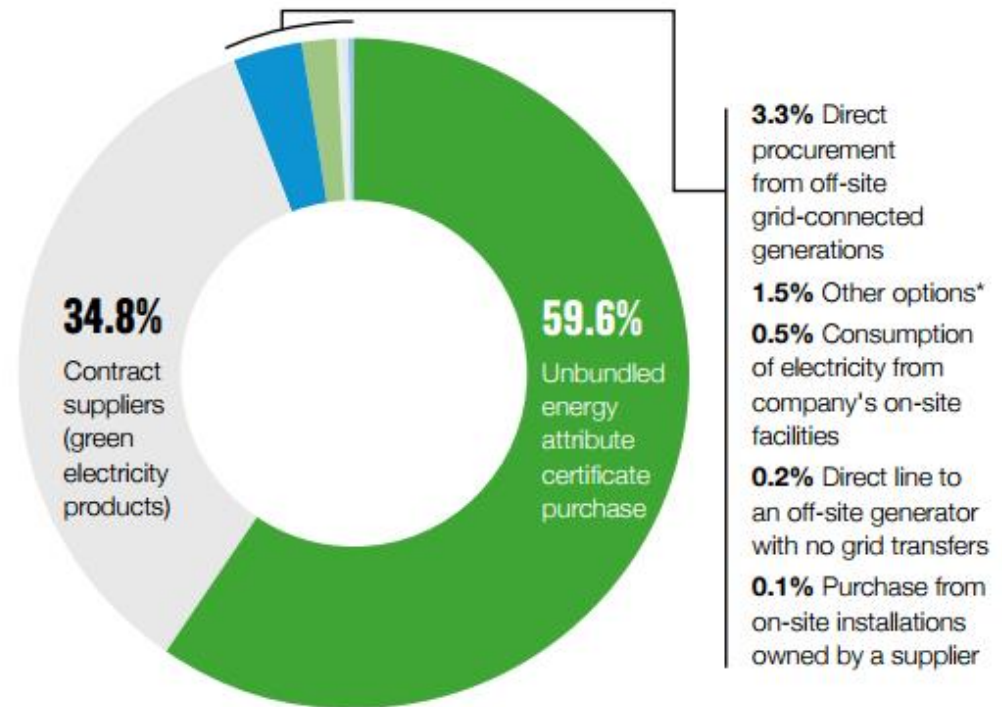
- 11 members had achieved 100% before 2015
- Vast majority aim to achieve 100% before 2024

It was the first year that data was collected from members by region and technology options

**2017 Annual
Report**



- North America accounted for the highest demand for renewable power among RE100 members
- Unbundled renewable energy attribute certificates were the most popular option, followed by green tariffs

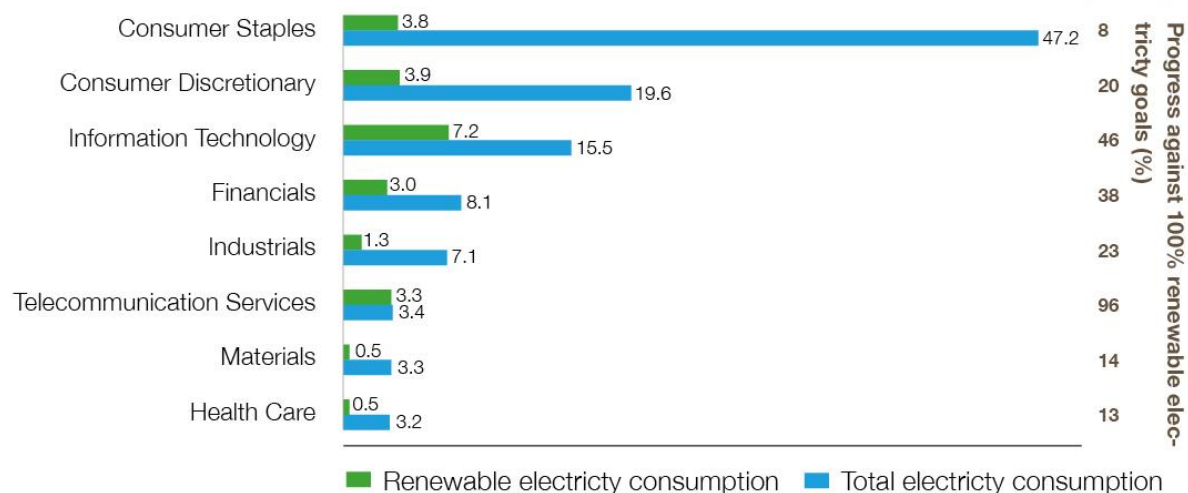


**Not specified by respondents*



- The Telecommunications sector was the closest to achieving 100% renewable electricity in 2015 at **97%**
- Information Technology was the sector consuming the greatest amount of renewable power – **7.2 TWh**

RE100 MEMBERS: GLOBAL ELECTRICITY CONSUMPTION BY SECTOR (TWh)



2017 Annual Report

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- **General Motors** has reported savings of **US\$5 million annually** from using renewables
- In FY2015-16 **Tata Motors Limited** obtained around 9% of its electricity from renewables, leading to the avoidance of **35,099 tCO2e in greenhouse gas emissions**
- Estimating that 77% of its emissions come from its supply chain, **Apple** is now working with its suppliers to install more than **4GW of new clean energy worldwide by 2020**



General Motors signed a PPA for 50 MW of wind power from a wind farm development in Texas, expected to come online in 2018

Mars, Incorporated signed a deal for 125 GWh of wind power annually from a windfarm in the Scottish Highlands



Technical Criteria

- Public commitment to secure 100% of global electricity from renewable sources
- Commit to reporting on renewable electricity consumption and generation on an annual basis
- Third party verification required

Self-generated electricity

1. Generation from installations owned by the company

Purchased electricity

2. Purchase from on-site installations owned by a supplier

3. Direct line to an off-site generator with no grid transfers

4. Direct procurement from offsite grid-connected generators

5. Contract with suppliers (green electricity products)

6. Unbundled energy attribute certificate purchase

7. Other options

Fees

Annual fees

Basic	Silver	Gold
Free	£5,000	£10,000
Free	\$7,500	\$15,000
Free	€6,750	€13,500

Opportunities

- Continue to recruit world's leading companies, provide capacity building, profile and influencing services
- Grow the geographical reach of the campaign
- Showcase corporate action on renewables at major events, such as:
 - CEM8, June 6-8, Beijing, China
 - Climate Week NYC, 18-24 September, US
 - COP23, 6-17 November, Bonn, Germany
- RE100 to help members understand supply chain and customer options for renewable electricity

Any questions?

For more information visit RE100.org
Follow #RE100 on Twitter
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