

7th Session of the IRENA Assembly

Enabling the Private Sector to Accelerate Renewable Energy Deployment: Corporate Sourcing of Renewables

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Corporate Sourcing of Renewables

A **company** procuring energy from renewable generation sources to power its **own operations**.













Renewable Energy Corporate Sourcing Trends



- **40%** of Fortune **500** companies have made renewable energy commitments
- **7** of the world's **10** largest companies have date-bound renewables targets
- Over 80 leading corporations are part of the RE100 initiative
- More than 60 businesses have signed the "Corporate Renewable Energy Buyers' Principles"



Renewable Electricity Sourcing Options



Direct Investments

Direct investment in a RE system onsite or offsite

Green Power Procurements

Procurement of renewably sourced electricity from the utility

Renewable Energy Certificates (RECs)

Purchase of RE certificates on a virtual market

Power Purchase Agreements (PPAs)

Long-term power purchase agreement with the utility or a third-party investing in a RE system

Direct **PPAs** Investments **Green Power RECs Procurements**

Global Landscape of Corporate PPA Deals



USA

- Amazon Web Services,
 EDP: 100MW, Wind
- Apple, First Solar: 130
 MW, Solar
- Dow Chemical Company, NRG: 150 MW, Wind

UK

- HSBC, BSR: 61MW, Solar
- McDonalds, BayWa: 15MW, Solar
- Nestlé: Community Windpower, Wind

Norway/Sweden

- Google, BladeRock:
 160MW, Wind, Norway
- Google, Aquila, OX2:
 148MW, Wind, Sweden

Mexico

- Cemex, Acciona Energy: 251MW, Wind
- Coca Cola FEMSA,
 Heineken, OXXO,
 Mareña Renovables:
 396MW, Wind

India

- HSBC, Pragathi Group:6.5 & 2.2MW, Solar
- Philips India, ReNew Wind Power: 2.1MW, Wind
- Dalmia Cement: 16.5MW, Wind

Chile

- Google, Acciona Energy: 80MW, Solar
- Guanaco Compañía
 Minera, Enel Green
 Power: 4MW, PV & Wind

Drivers for Corporate Sourcing of Renewables



Main drivers for buyers (companies)

- Secure stable long-term electricity prices
- CSR commitments
- Meeting emission reduction targets and climate objectives
- Branding and new business opportunities



Scaling-up Corporate Sourcing of Renewables



Examples of enabling frameworks

- Creation of a certificate market (e.g. RECs)
- Building a Guarantees of Origin System
- Empowering third-party sales
- Enabling grid access and clear wheeling arrangements



IRENA and Corporate Sourcing of Renewables



REmade Index report

- Highlights the latest renewable energy corporate sourcing trends
- Recognises companies sourcing renewable energy
- Provides recommendations to further boost corporate sourcing of renewables









Thank you Henning Wuester Director, Knowledge Policy and Finance Centre HWuester@irena.org