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# CORPORATE DEMAND FOR RENEWABLE ENERGY AND LONG-TERM OPTIONS

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PHOTO CREDIT: UNITED NATIONS PHOTO, FLICKR



The background of the slide is a photograph of the United Nations Secretariat Building in New York City. The building's glass facade reflects the sky and surrounding trees. In the foreground, several flagpoles with flags are visible, including the flag of the United Nations (blue with a white world map) and the flag of the European Union (blue with yellow stars). The sky is blue with some white clouds.

# WE HAVE A DECADE...

- Sustainable Development Goals
- New Climate Economy
- Sustainable Energy for All
- Paris Agreement

PHOTO CREDIT: John Gillespie, Flickr



# ENERGY SHOULD BE #1 INFRASTRUCTURE INVESTMENT

Of the US\$90 trillion global infrastructure investment necessary by 2030, **energy is expected account for 28%**, or around US\$25 trillion.

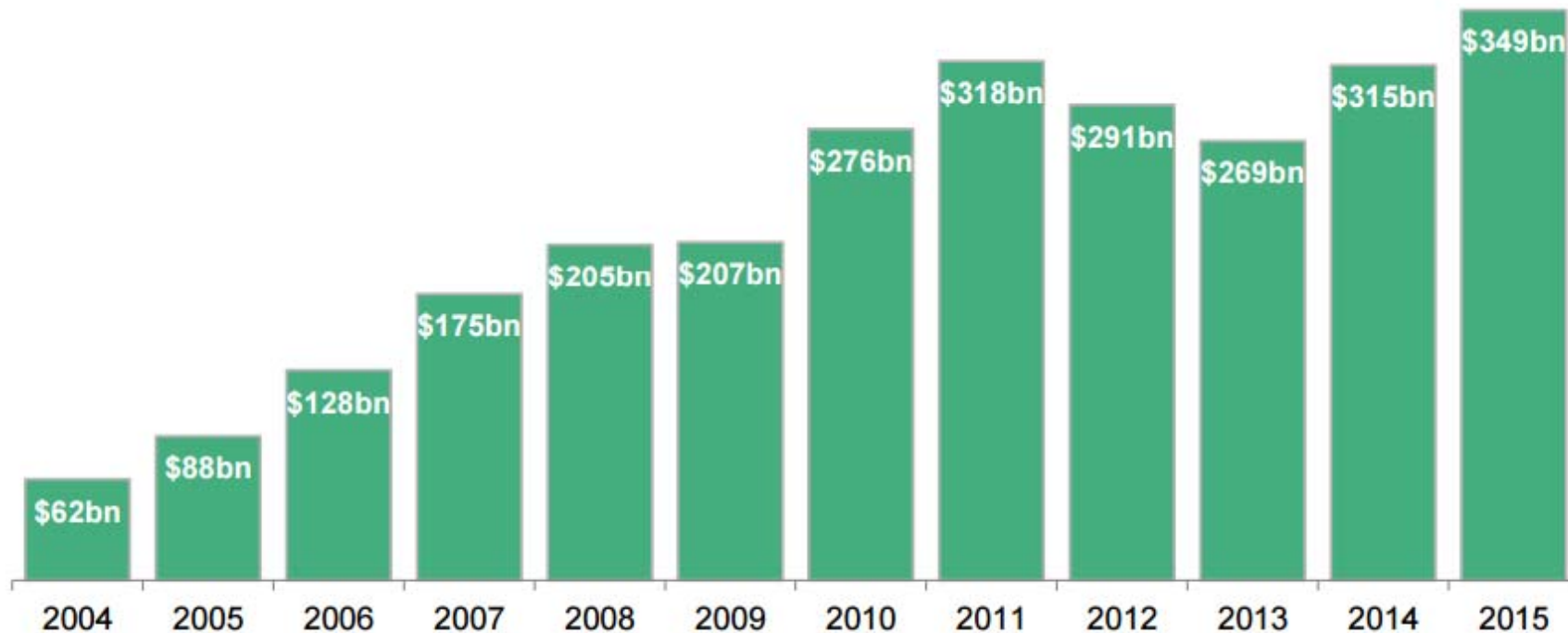
About 70% of this investment will be in **emerging economies.**

SOURCE: New Climate Economy, 2016, The Sustainable Infrastructure Imperative:  
Financing for Better Growth and Development  
PHOTO CREDIT: Asia Development Bank/Flickr



# RENEWABLE ENERGY: GROWING INCREMENTAL INVESTMENT GLOBALLY

GLOBAL CLEAN ENERGY INVESTMENT HIT A RECORD IN 2015



SOURCE: Bloomberg New Energy Finance, 2016, Liebreich State Of The Industry Keynote

**THE NEW CLIMATE ECONOMY**

# TRANSITIONING TO A LOW-CARBON ENERGY SYSTEM

- Cut energy waste
- Decarbonize the electricity system
- Support not-in-kind technology shifts to provide services in transportation, buildings, and industry





# WRI IS DRIVING CHANGE THROUGH RENEWABLE PURCHASING

We are convening an action-oriented group of corporate buyers to increase **access** to **affordable**, additional **clean energy** today in states with monopoly utilities.



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# ENGAGING WITH INSTITUTIONS THAT MATTER

- Utilities
- Investors
- Consumers
- Cities

PHOTO CREDIT: Keith Arnold, WWF-US



## U.S. BUYERS' INFLUENCE ON THE GRID DRIVES EARLY & ADDITIONAL GHG EMISSION REDUCTIONS

- The electricity sector has to go to near zero emissions – as soon as possible
- Current policy alone is insufficient
  - The Clean Power Plan could deliver as little as 20 GW of new RE by 2030
- Much deeper, earlier reductions are required





# WRI FOUNDED THE RENEWABLE ENERGY BUYERS ALLIANCE IN MAY 2016

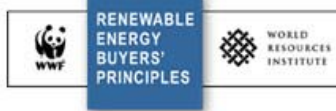




# WRI CO-ORGANIZED THE BUYERS' DEMAND – 2X THE EXISTING US SOLAR INSTALLED TODAY.

## CORPORATE RENEWABLE ENERGY BUYERS' PRINCIPLES: INCREASING ACCESS TO RENEWABLE ENERGY

**62** COMPANIES **45** MILLION MWH OF DEMAND FOR RENEWABLE ENERGY **\$5** TRILLION IN MARKET CAP

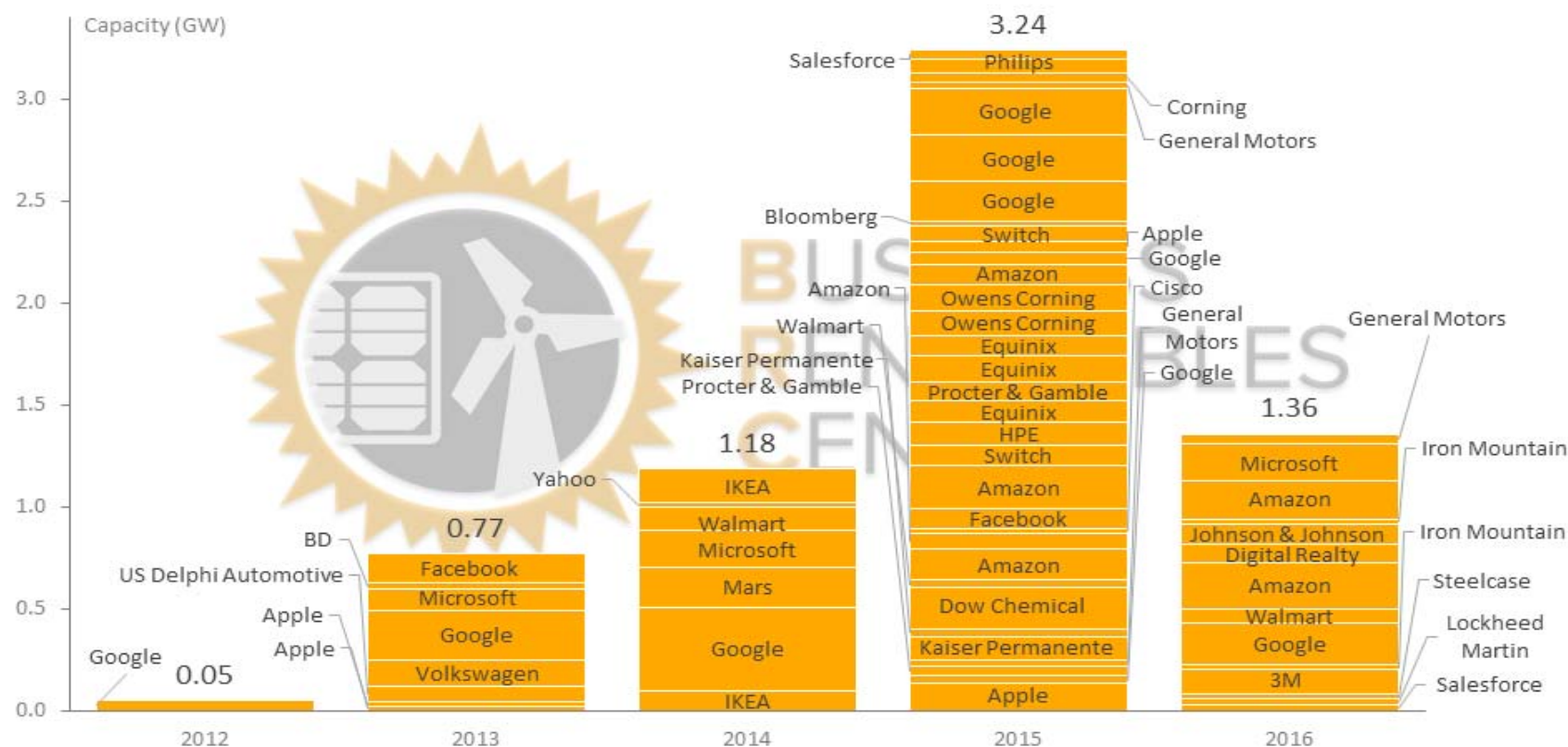


[www.buyersprinciples.org](http://www.buyersprinciples.org)



# CORPORATE PURCHASES 2012-2016

Renewable Energy Buyers Alliance (REBA) network touches  
**95%** of these deals



Publicly announced contracted capacity of corporate Power Purchase Agreements, Green Power Purchases, Green Tariffs, and Outright Project Ownership in the US and Mexico, 2012 – 2016. Excludes on-site generation (e.g., rooftop solar PV) and deals with operating plants. Last updated: November 21, 2016.

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For more information, please visit <http://www.businessrenewables.org/> or contact [BRC@RMI.org](mailto:BRC@RMI.org)

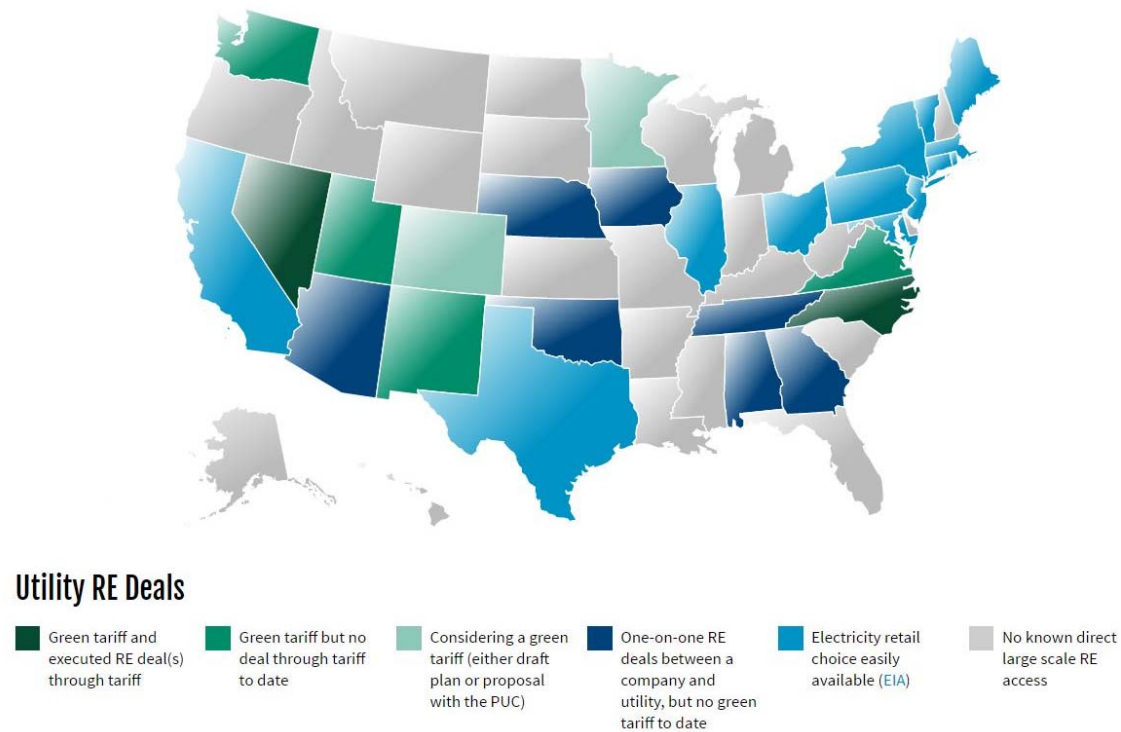
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# CORPORATE RENEWABLE STRATEGY MAP

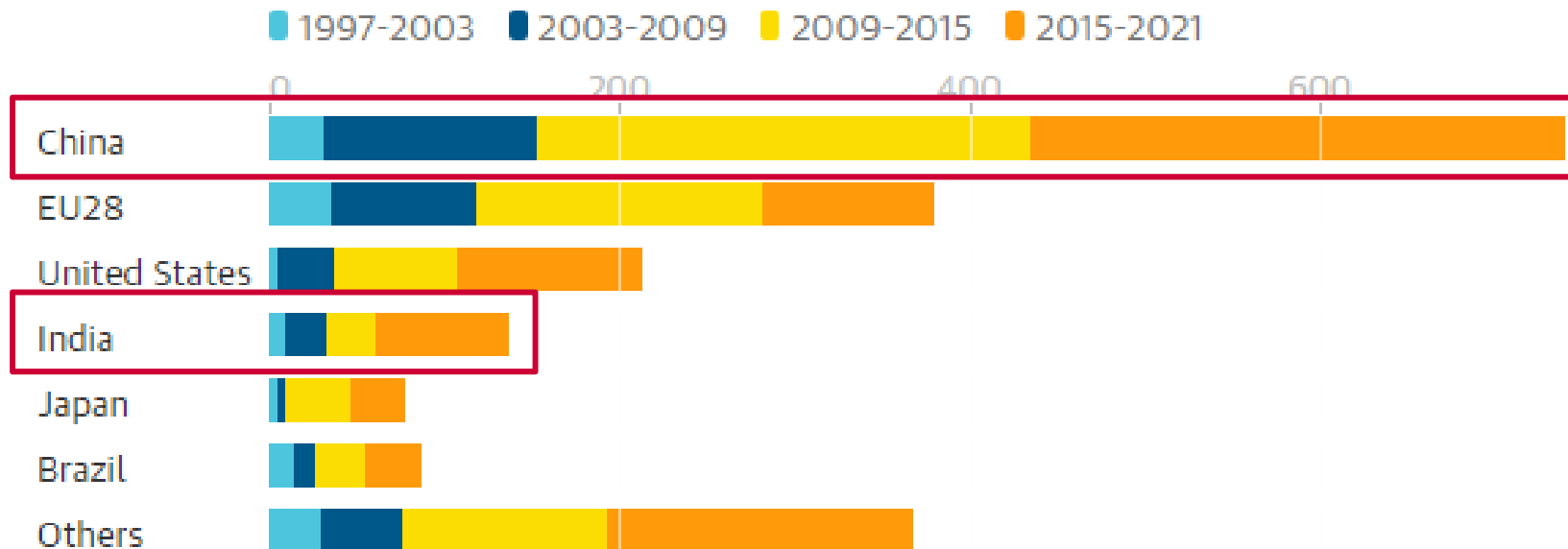
Where companies can buy renewable energy through the grid.





# RENEWABLE ENERGY: LARGE PROJECTED INCREASES IN INDIA AND CHINA

Renewable electricity net additions to power capacity, in gigawatts



Guardian graphic | Source: IEA



# NEARLY 50 COUNTRIES VOW TO USE 100% RENEWABLE ENERGY BY 2050



SOURCE: Climate Vulnerable Forum





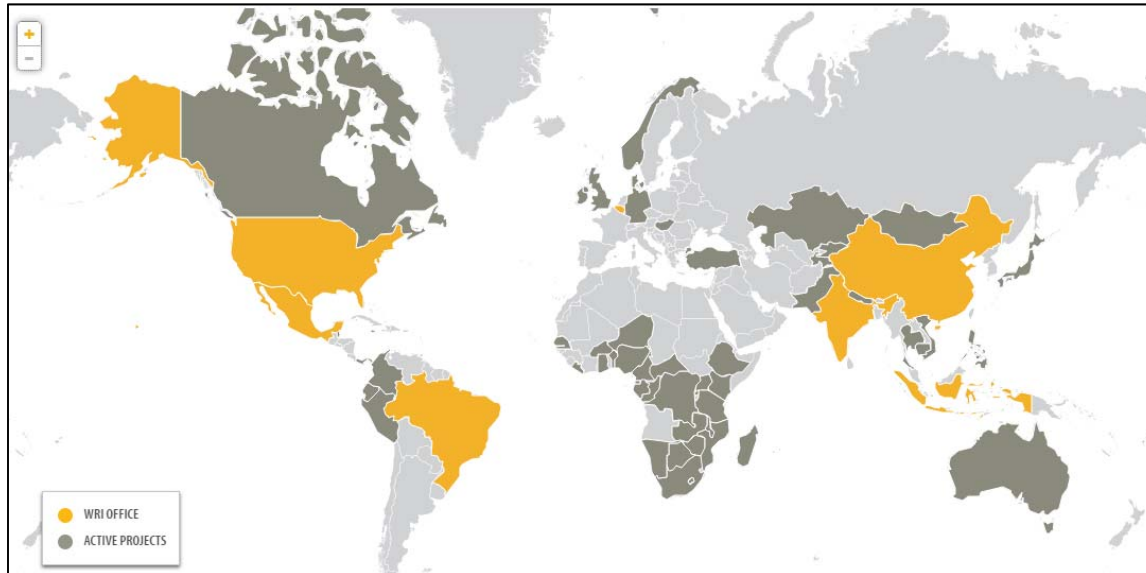
## 83 MAJOR COMPANIES COMMITTED TO 100% RENEWABLE ENERGY



[www.there100.org](http://www.there100.org)

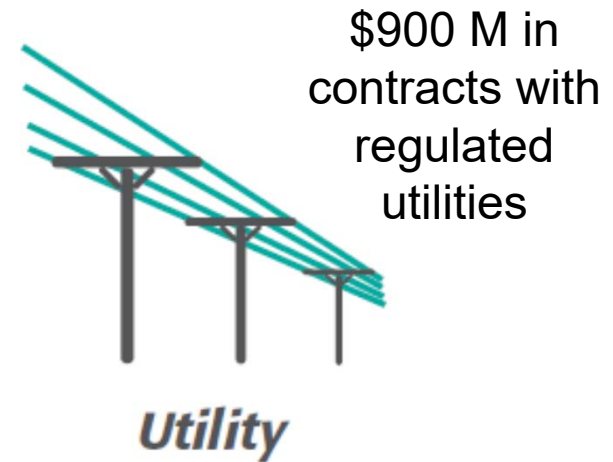


# WRI COUNTRY OFFICES AND INTERNATIONAL RENEWABLE ENERGY ENGAGEMENTS



# FIVE PURCHASING STRATEGIES

- On-site, owned renewables
- On-site, contracted renewables
- RECs & Power via Direct Access
- Sleeved PPA via utility
- Subscriber/green tariff via utility



Over 3 GW purchased in 2015 via buyer contracts

**Large Energy Buyer**



# THE GLOBAL INFRASTRUCTURE AGENDA

- Distributed urban energy systems
- Industrial energy integration
- Net zero carbon/passive design buildings
- Not-in-kind service options
  - Heating
  - Cooling
  - Mobility

# March 27-28, 2017 Bangkok: *Enabling Private Sector Clean Energy Investment in Southeast and South Asia*



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FROM THE AMERICAN PEOPLE



Advancing climate-resilient low emission  
development around the world



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