



WORLD  
RESOURCES  
INSTITUTE

# CORPORATE DEMAND FOR RENEWABLE ENERGY AND LONG-TERM OPTIONS

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PHOTO CREDIT: UNITED NATIONS PHOTO, FLICKR

**WE HAVE A DECADE...**

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

# ENERGY SHOULD BE #1 INFRASTRUCTURE INVESTMENT

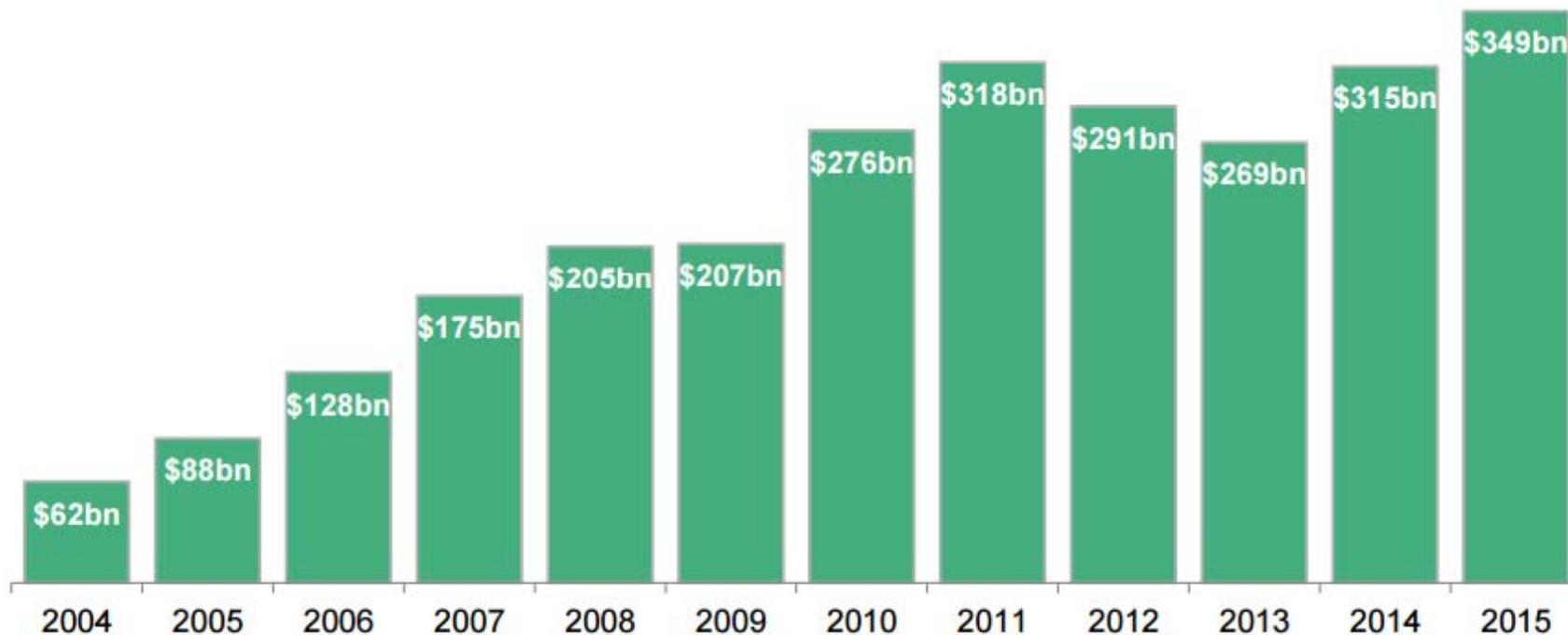
Of the US\$90 trillion global infrastructure investment necessary by 2030, **energy is expected account for 28%**, or around US\$25 trillion.

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.

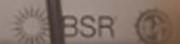
# ENGAGING WITH INSTITUTIONS THAT MATTER

- Utilities
- Investors
- Consumers
- Cities

REB

Powering the  
corporate move  
toward clean  
renewable en

To learn more, visit



## 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

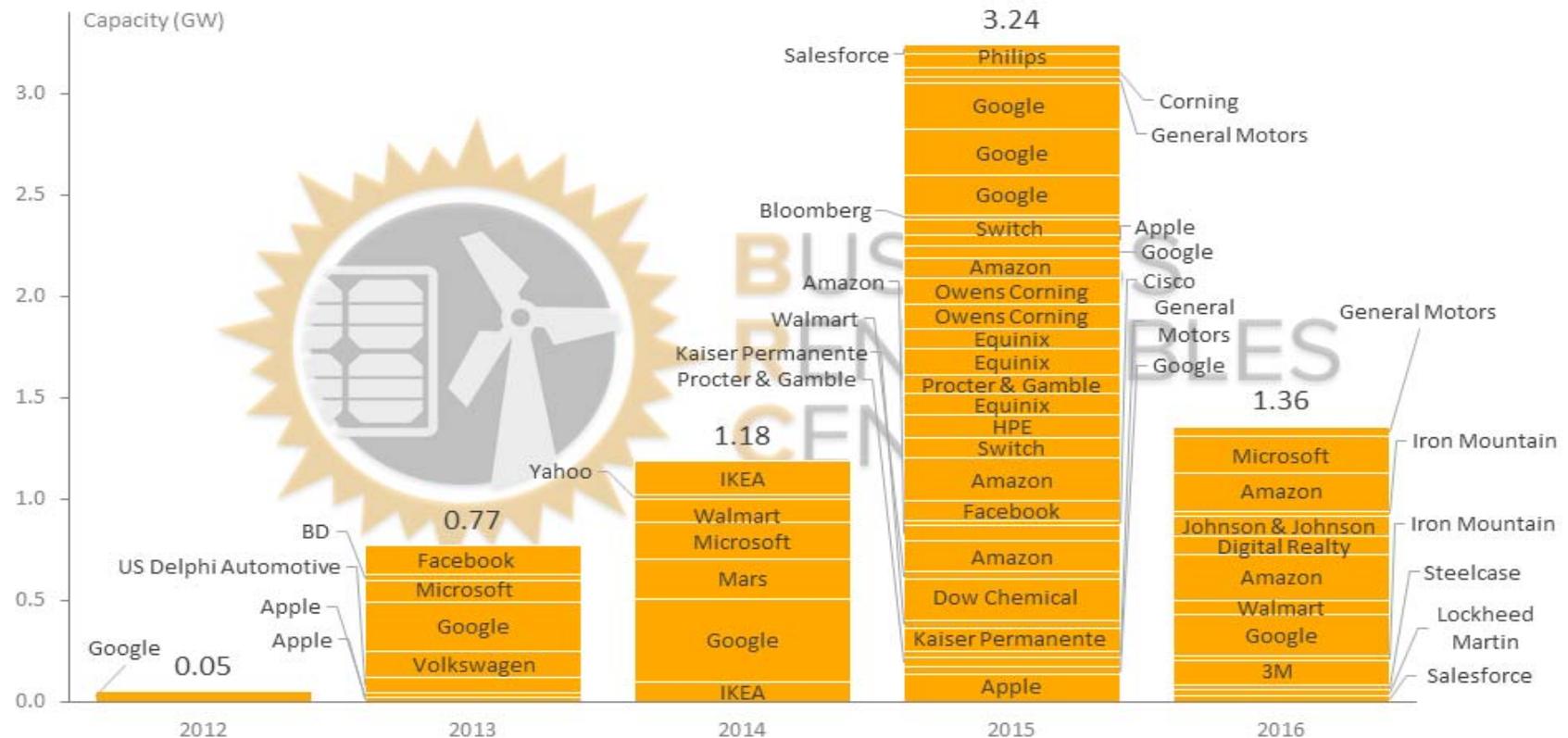
**62** COMPANIES **45** MILLION MWH OF DEMAND FOR RENEWABLE ENERGY **\$5** TRILLION IN MARKET CAP



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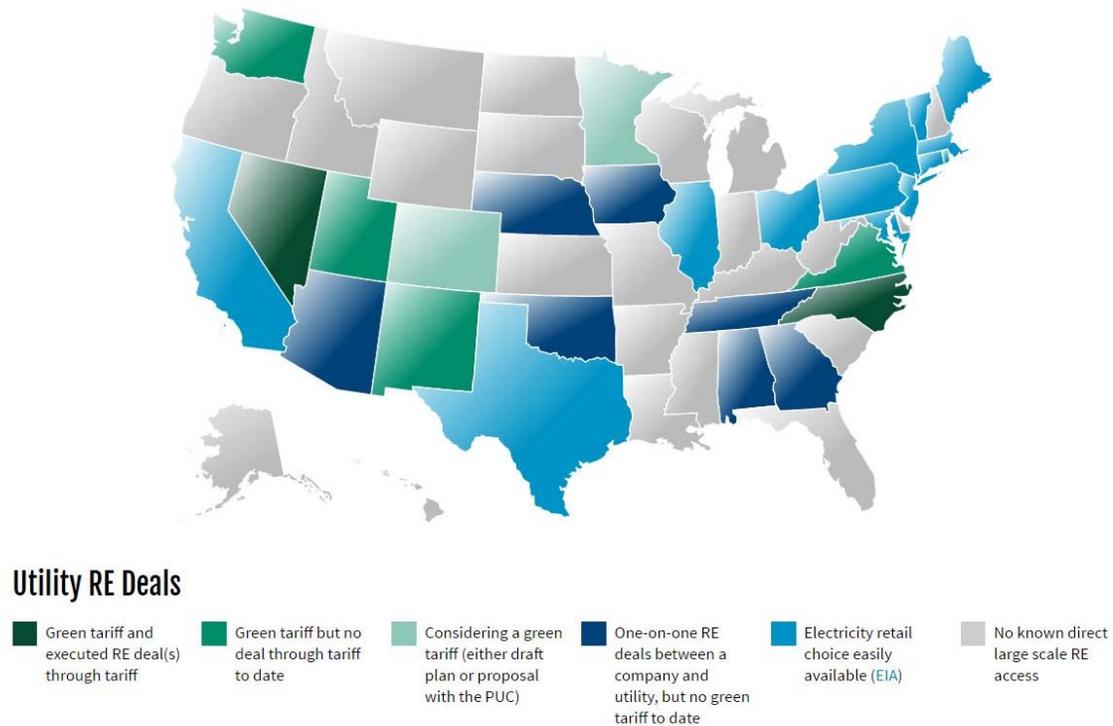
For more information, please visit <http://www.businessrenewables.org/> or contact [BRC@RMI.org](mailto:BRC@RMI.org)

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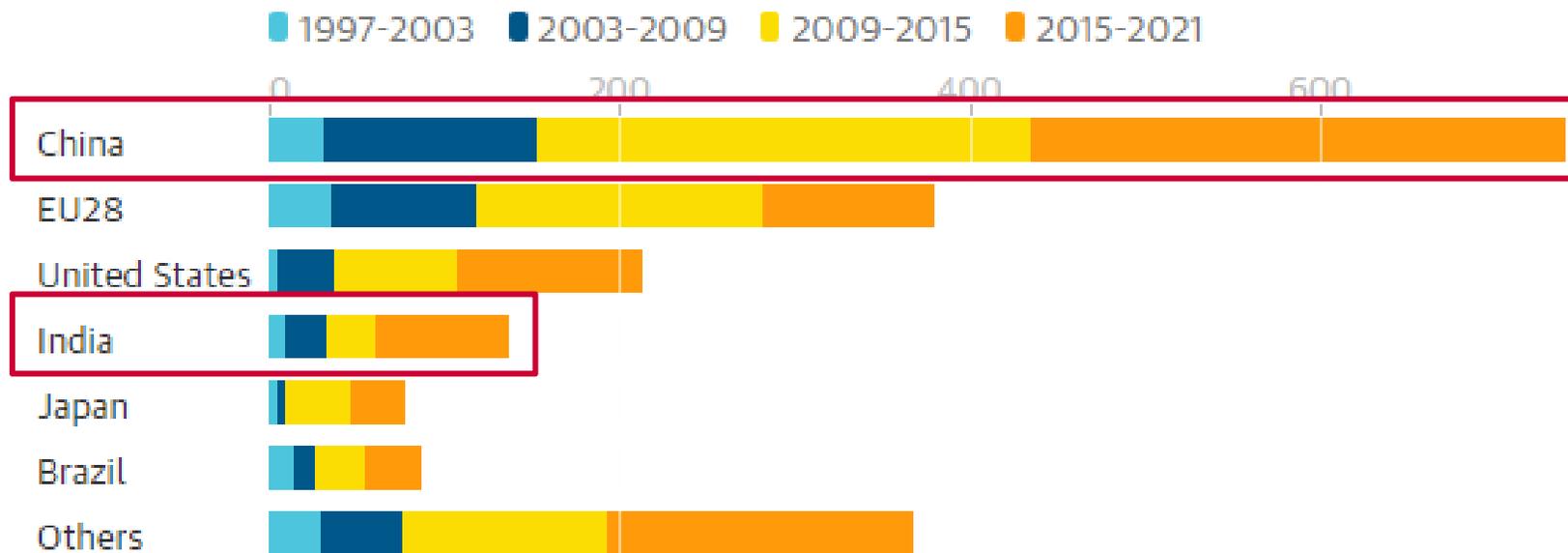
# CORPORATE RENEWABLE STRATEGY MAP

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



# RE 100

## 83 MAJOR COMPANIES COMMITTED TO 100% RENEWABLE ENERGY

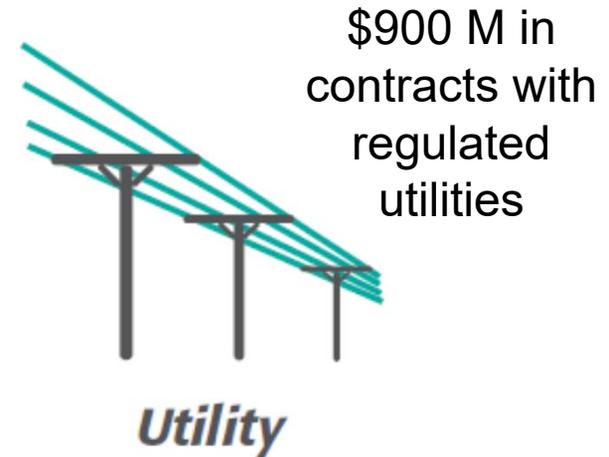


[www.there100.org](http://www.there100.org)



# 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