Environmental sustainability has become an essential ingredient to doing business responsibly and successfully. As the world's largest retailer, our actions have the potential to save our customers money and help ensure a better world for generations to come. We've set three aspirational sustainability goals:

- Be Supplied by 100% renewable energy
- Create Zero Waste
- Sell Sustainable Products
Recently Announced Renewable Energy/Energy Efficiency Goals

Walmart is on the path to being supplied by 100% renewable energy.

We will take a two tiered approach by both increasing renewable energy usage and increasing energy efficiency with the following commitments:

Commitment 1: scale renewables

Public Goal
Drive the production or procurement of 7 billion kWh of renewable energy globally by December 31, 2020—an increase of over 600% versus 2010

Commitment 2: accelerate efficiency

Public Goal
By December 31, 2020, reduce the kwh/sq.ft. energy intensity required to power our buildings around the world by 20% versus 2010
Walmart U.S. Projections/Global Approach

1. **REduce.**
   By Dec. 31, 2020, Reduce its total kwh/sq. foot energy intensity by 18%-20% compared to CY2010

2. **REnew.**
   By Dec. 31, 2020, drive the production or procurement of 2500 gWh of renewable energy annually

- **Experiment**
- **Drive Scale**
- **Leverage our reach / influence the market**

Experimental projects with 5 new renewable technologies
Drive Scale
Leverage our reach / influence the market

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Walmart U.S. Projections/Global Approach
Path to 100% Renewable Energy

Total energy consumption

- Reduce through energy efficiency
- Replace with renewable energy
- Energy saving through efficiency improvement
- WM RE projects
- Renewable electricity from grid
- Brown power
Rooftop Solar Projects

Approximately 255 systems installed in the U.S. to date:

• Smaller systems provide 10%-20% of electricity needs
• Largest rooftop system provides roughly 35%

Current States with Solar:
CA, HI, AZ, CO, NJ, LA, MA, MD, NY, CT, OH, OR, Puerto Rico
Recent CA Carport & Roof Mounted Solar
Walmart Distribution Centers

1 MW Solar Tracking System

2 MW Ground & Carport
3 Million kwh/yr

3 MW Rooftop & Parking
5 Million kwh/yr
Fuel Cell Technology

• 42 California locations

• Typically sized to supply 40% to 60% of the store’s electricity needs
On-site Wind

Wholesale Purchases
Corporate Renewable Energy Buyers Principles
(Development facilitated by WWF and WRI)

1. Greater choice in our options to procure renewable energy

2. Cost Competitiveness between traditional and renewable energy rates

3. Access to longer-term, fixed-price renewable energy

4. Access to projects that are new or help drive new projects in order to reduce energy emissions beyond business as usual
   - Access to bundled renewable energy products-energy and RECs
   - Ability to prevent double counting within the energy consumer community
   - Renewable energy delivery from sources that are within reasonable proximity to our facilities

5. Increased access to 3rd party financing vehicles as well as standardized and simplified processes, contras and financing for RE projects

6. Opportunities to work with utilities and regulators to expand our choices for buying renewable energy

Note: WWF Link to Buyers Principles: [www.worldwildlife.org/corprenewables](http://www.worldwildlife.org/corprenewables)
Corporate Renewable Energy Buyers Principles Signatories
Thank You!