

A scenic landscape photograph of a sunset over a mountain range. The sun is low on the horizon, creating a bright orange and yellow glow that transitions into a deep blue sky. The mountains are silhouetted against the light, and the overall atmosphere is serene and majestic.

GLOBAL ENERGY TRANSFORMATION

Danielle Merfeld, VP & CTO
GE Renewable Energy



Onshore Wind

Offshore Wind

Hydro

LM Wind Power



GE Renewable Energy: Unleashing Limitless Energy

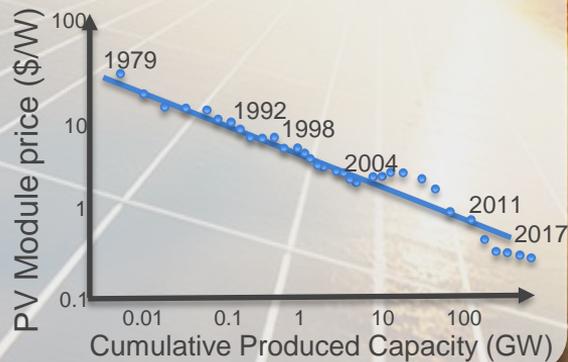


Coal Displacement



USA #1 gas producer in the world

Rise of Renewables



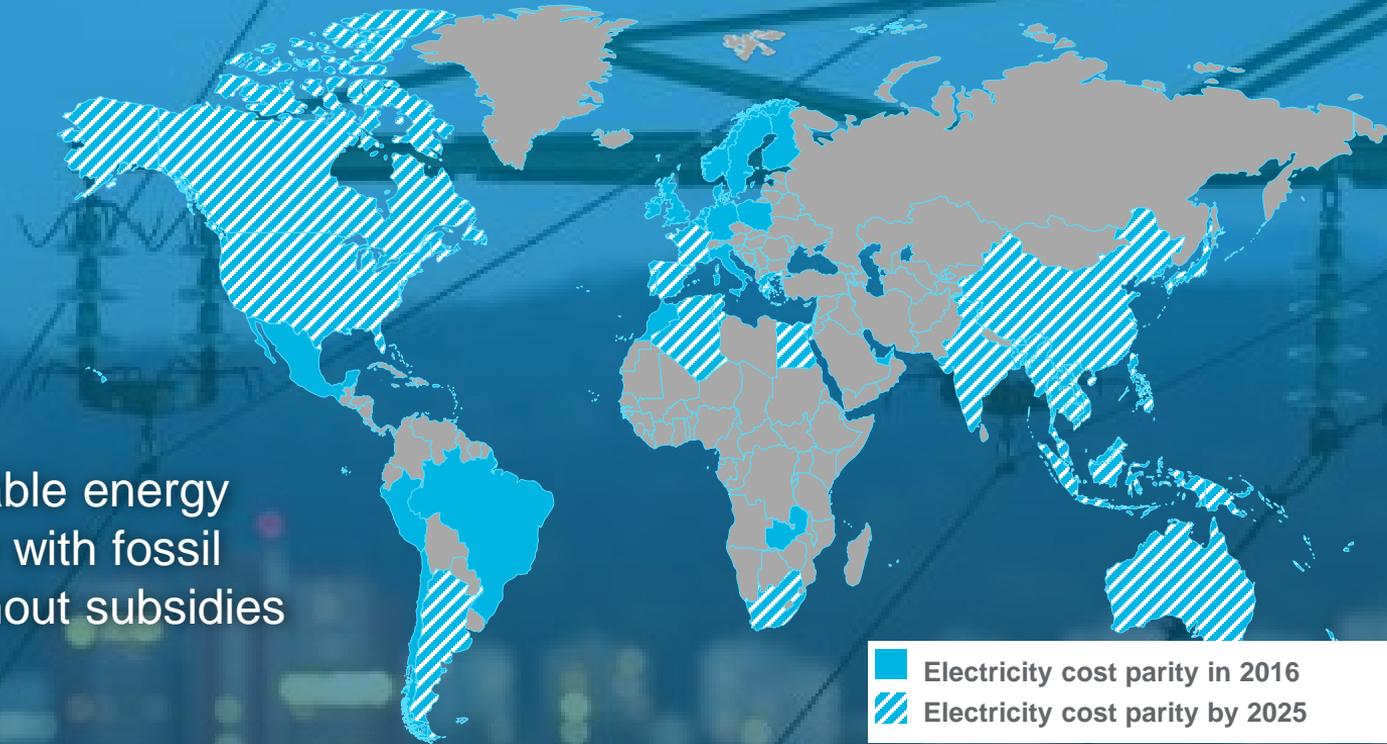
Expanding Electrification



- **Data centers**
- **Rural Electrification**
- **Electric vehicles**

RENEWABLES ARE MAINSTREAM POWER GENERATION

Renewable energy
at parity with fossil
fuel without subsidies



 Electricity cost parity in 2016
 Electricity cost parity by 2025

Source: GE, BNEF,
IEA



Redefining what's possible

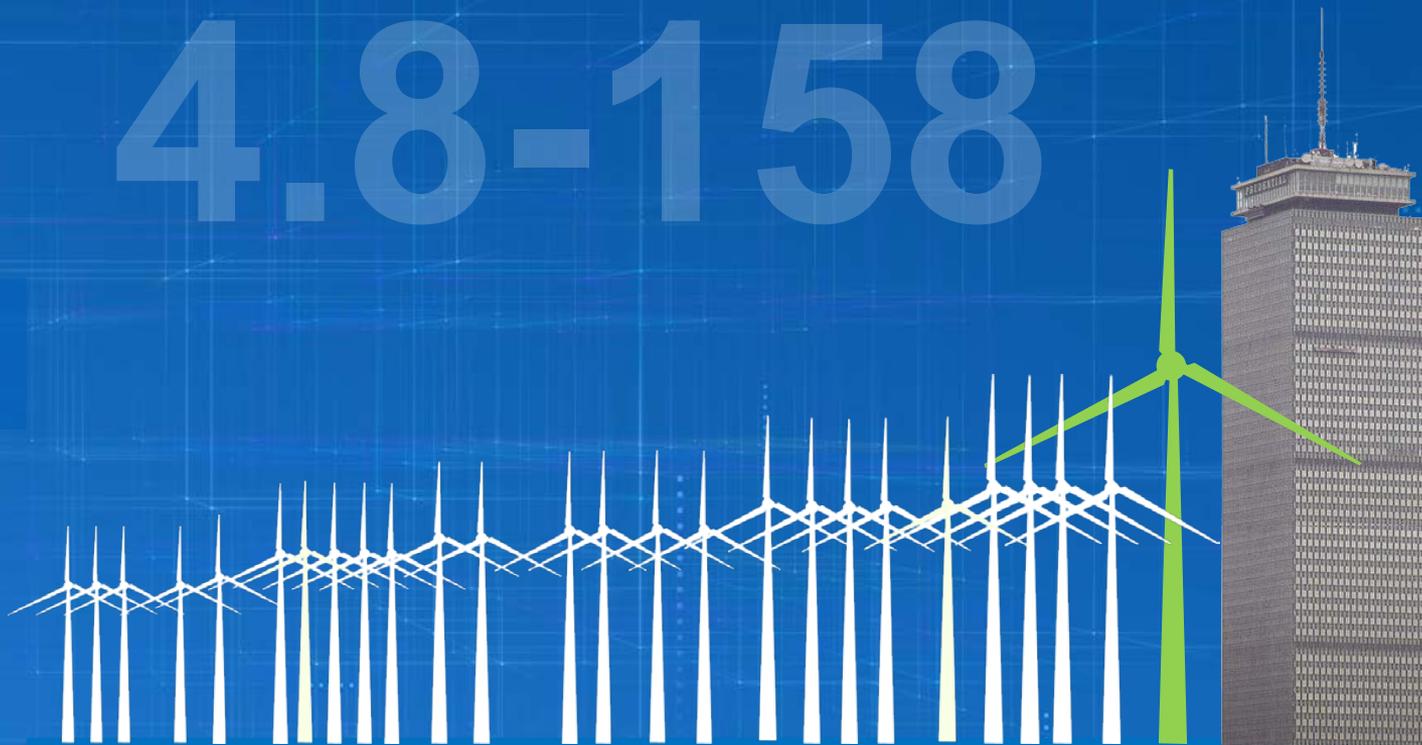
4.8-158

4.8-158: POWER
MEETS
EFFICIENCY

Height **240 meters** =
2.5 Big Bens

Each machine can
power **2,000 homes**

Rotor Diameter **158
meters** = Twice size of
Airbus A380 wingspan



GE's Largest Onshore Wind Turbine to Date



12 MW capacity

220-meter rotor

107-meter long blades

260 meters high

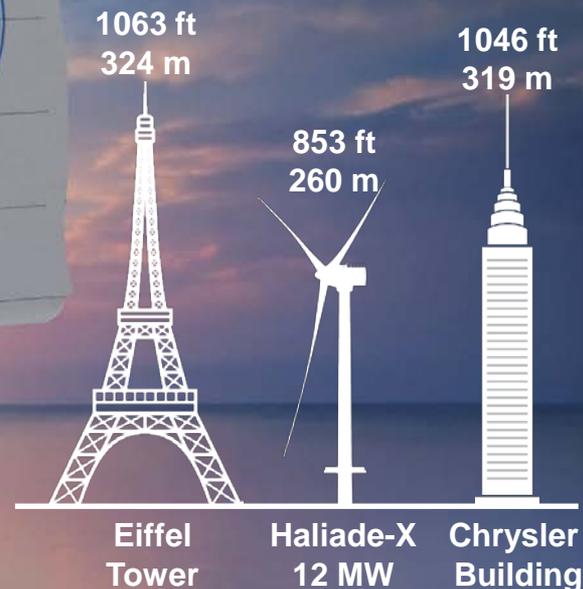
67 GWh gross AEP

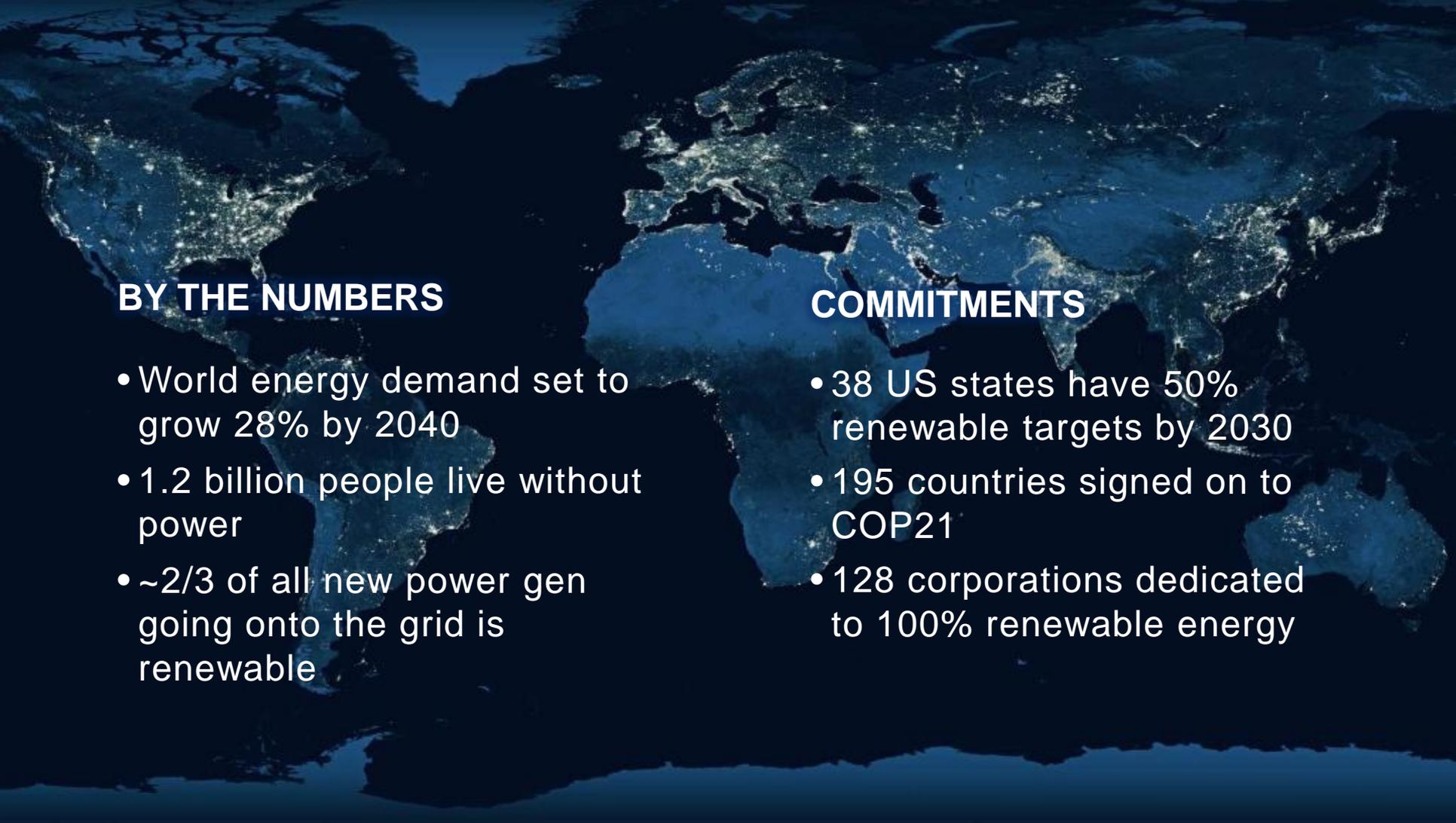
63% capacity factor

38,000 m² swept area

Generates **~45% more energy** than most powerful wind turbine available in market today

HALIADE-X 12 MW Offshore Wind Turbine





BY THE NUMBERS

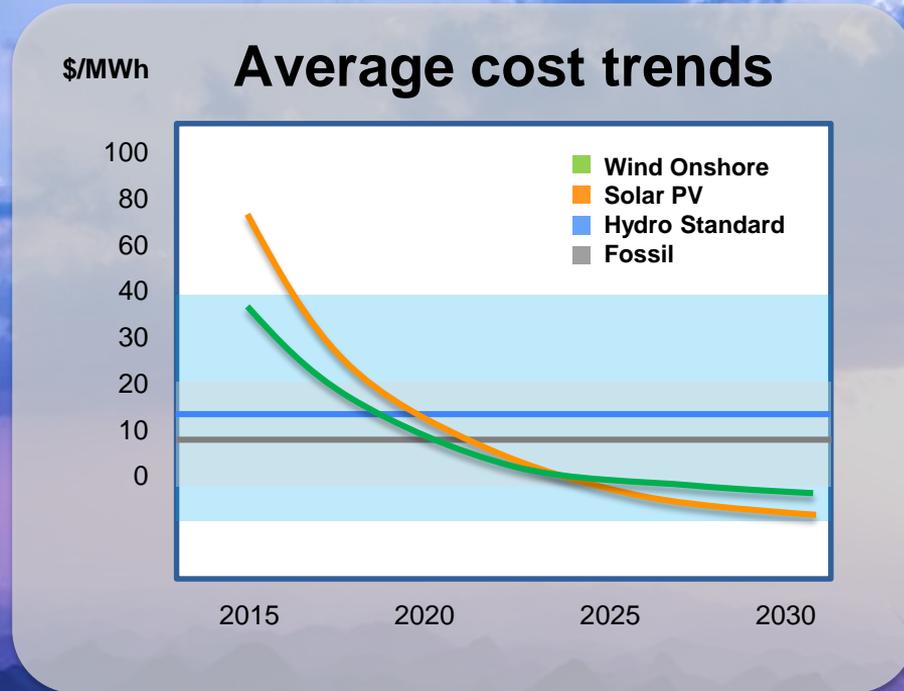
- World energy demand set to grow 28% by 2040
- 1.2 billion people live without power
- ~2/3 of all new power gen going onto the grid is renewable

COMMITMENTS

- 38 US states have 50% renewable targets by 2030
- 195 countries signed on to COP21
- 128 corporations dedicated to 100% renewable energy

3 THINGS TO WATCH

1. Renewable prices keep falling



3 THINGS TO WATCH

1. Renewable prices keep falling
2. Corporations continue to make bold commitments



3 THINGS TO WATCH

1. Renewable prices keep falling
2. Corporations continue to make bold commitments
3. Political support will grow





The Future of Energy is Clean & Beautiful