

# Emma Searson

**Director,  
100% Renewable Campaign  
Environment America**



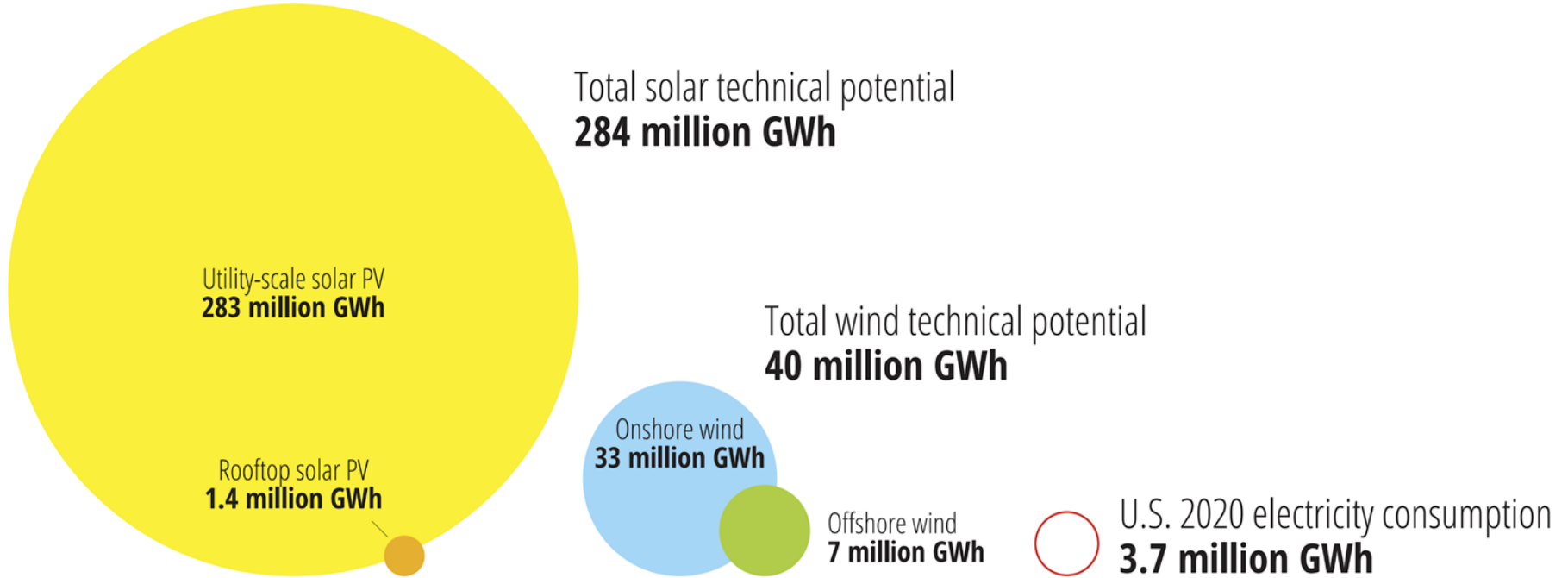
**It's time for America to move beyond fossil fuels**



## Key finding #1: The promise of renewable energy



## Key finding #2: Renewables can power the nation



## Key finding #3: Renewables can power society 24/7/365

**“This research highlights the technical feasibility and economic viability of 100% renewable energy systems including the power, heat, transport and desalination sectors.”**

– Dmitrii Bogdanov et al.<sup>i</sup>

**“The technologies required for renewable scenarios are not just tried-and-tested, but also proven at a large scale.”**

– T.W. Brown et al.<sup>ii</sup>

**“The majority of the reviewed studies find that 100% [renewable energy] is possible from a technical perspective, while only few publications argue against this.”**

– Kenneth Hansen et al.<sup>iii</sup>

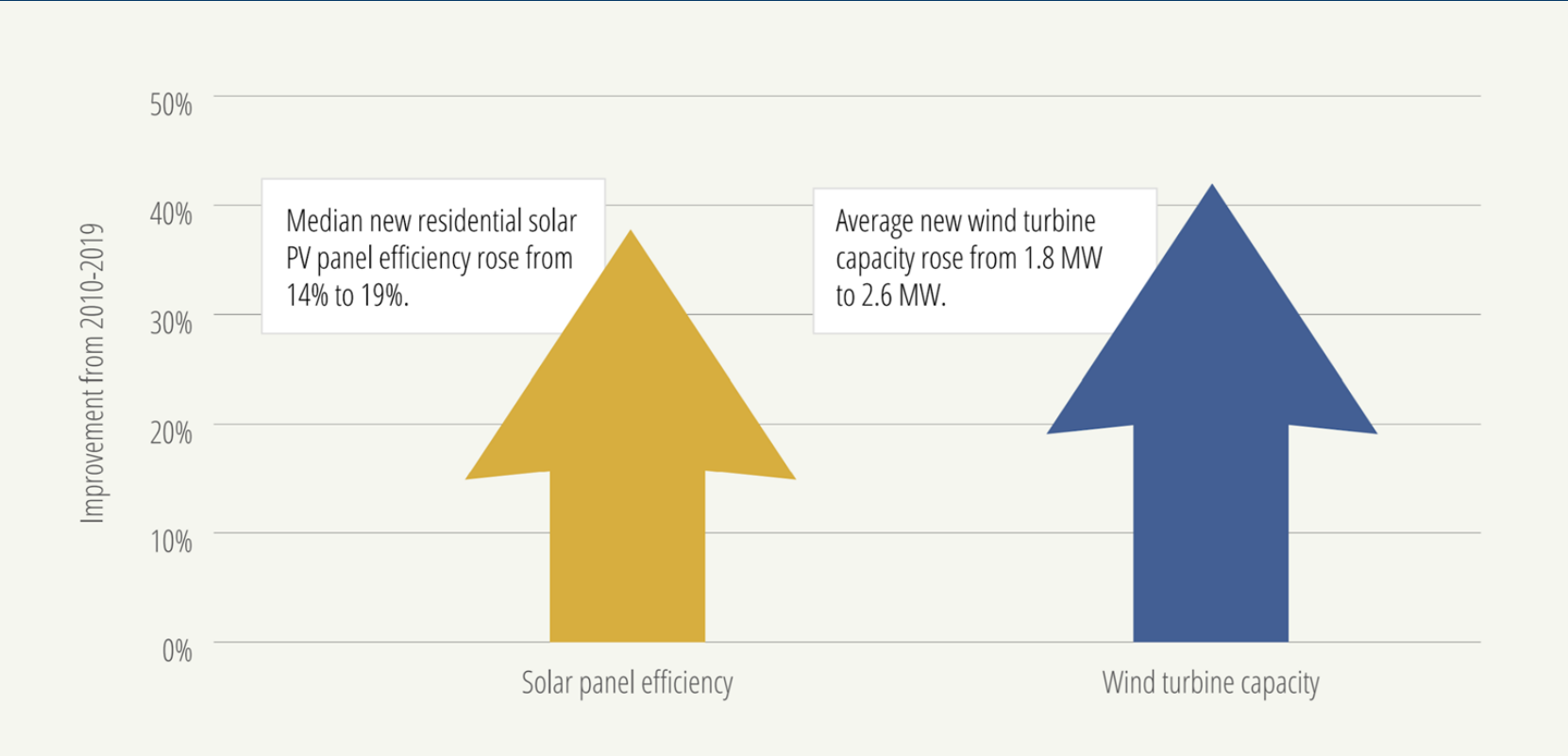
**“We find that the cost of energy in a 100% WWS [wind, water and solar energy system] will be similar to the cost today. We conclude that barriers to a 100% conversion to WWS power worldwide are primarily social and political, not technological or even economic.”**

– Mark Delucchi and Mark Jacobson<sup>vii</sup>

**“The results clearly show that a 100% RE-based system is feasible and a real policy option at a modest cost.”**

– Arman Aghahosseini et al.<sup>v</sup>

# Key finding #4: Renewable technologies are improving . . .



# ... While costs are plummeting

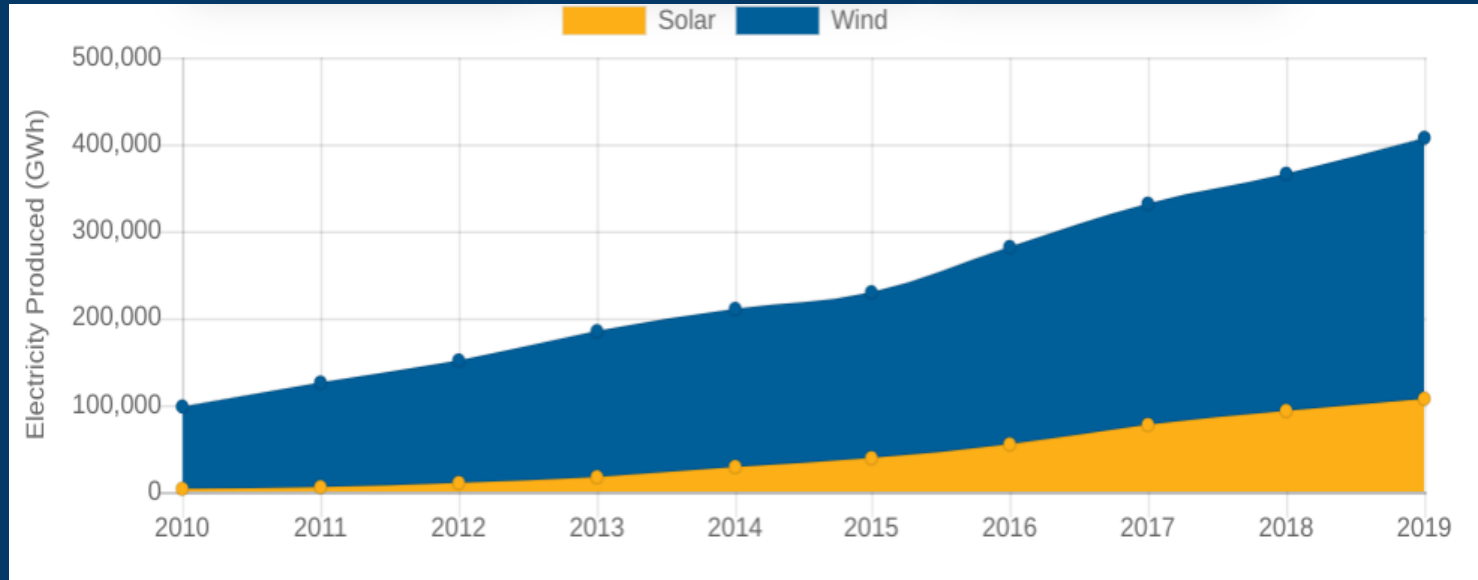


## Key finding #5: We can move forward in 4 key areas

- Rapidly deploy clean energy
- Modernize the grid:
  - Storage
  - Transmission
  - Smart technologies
- Reduce & manage demand:
  - Efficiency
  - Demand response
- Repower everything with renewables



# The stage is set, but action is needed



**Full report:  
[bit.ly/WeHaveThePower2021](https://bit.ly/WeHaveThePower2021)**

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