



VIH Talks:
Building a
Sustainable
Energy
Infrastructure

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Topics To Discuss

- ◆ Green New Deal
- ◆ Marine Life
- ◆ Offshore Energy
Resources

Green New Deal

- ◆ While the Green New Deal has been a positive step forward, more work is needed to refine the ways in which the US plans to diversify the grid in order to combat climate change.
- ◆ One way to do this is the “Blue” New Deal.
- ◆ The marine environment is integral to the global climate crisis and the US has a unique opportunity with control over two expansive coastlines to make effective change.
- ◆ For more information on the Blue New Deal, please check out the proposal from Elizabeth Warren’s campaign [here](#).

The Marine Environment

- ◆ The US has 95,000+ miles of coastline with 40% of the population living in and around coastal counties.
- ◆ There is an extremely active fishing, tourism, farming, and recreation economic model thriving in said coastal communities.
- ◆ The ocean has absorbed over 90% of the excess heat trapped by greenhouse gases.
- ◆ Acidic levels in the ocean.
- ◆ Fish are migrating toward poles.
- ◆ Stronger storms are growing.

“Our oceans brim with climate solutions. We need a Blue New Deal.” Via The Washington Post

Mitigation Methods

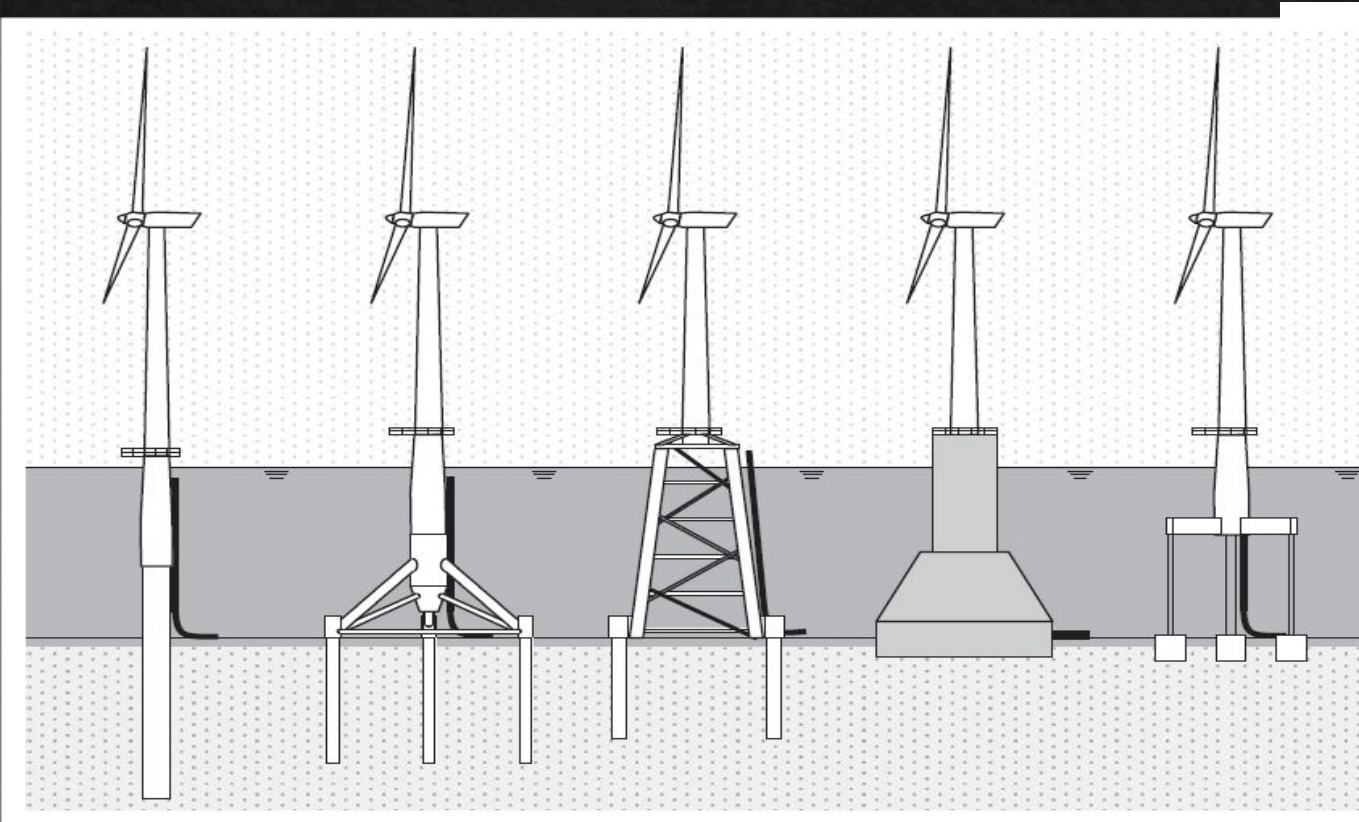
- ◆ Replanting ecosystems
- ◆ Regenerative Farming
- ◆ Changing Building Designs
- ◆ Electric Transportation
- ◆ Reducing Waste
- ◆ Renewable Energy

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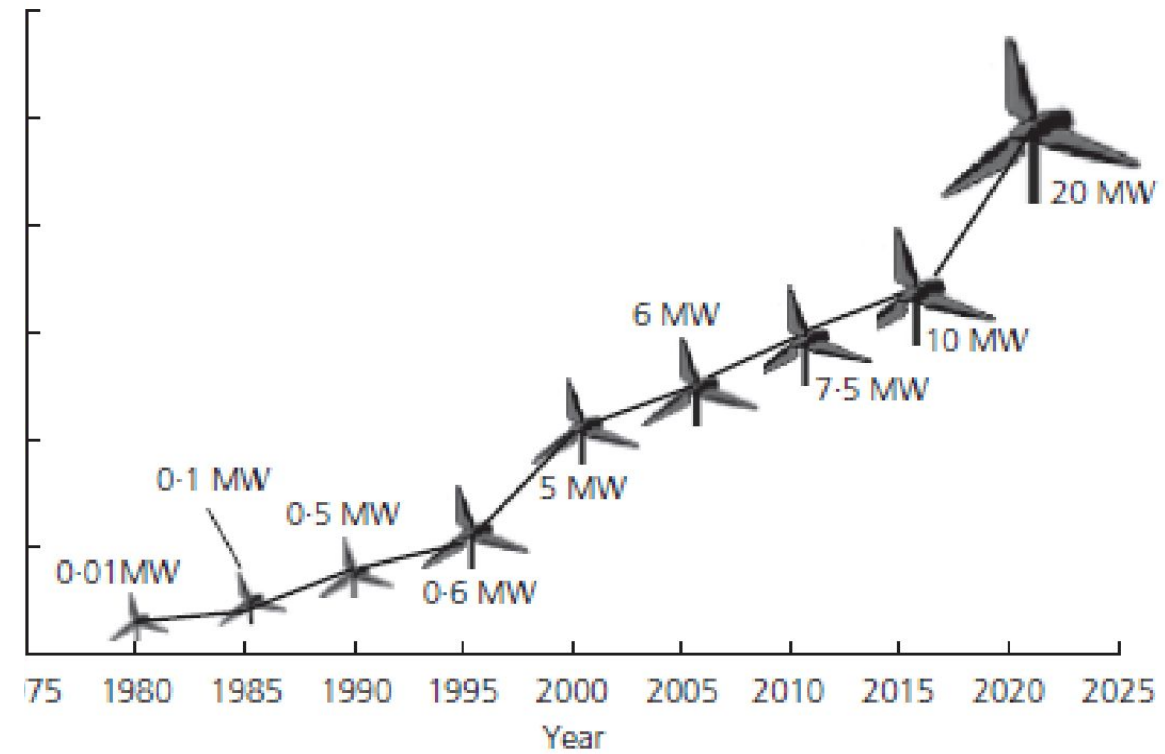
Renewable Energy Methods

- ◆ Onshore
 - Geothermal
 - Wind
 - Hydropower
 - Nuclear
- ◆ Offshore
 - Wind
 - Tidal
 - Wave

Offshore Wind in the US



Graphic courtesy of van der Tempel et al,
2010



Graphic courtesy of Arshad & O'Kelly,
2013

Thanks!

- ◆ Please feel free to ask any questions in the chat and during the discussion section following all our presentations!
- ◆ Suggested Reading:
 - [House Resolution 109](#) (aka the Green New Deal)
 - [What Is the Green New Deal? A Climate Proposal](#), Explained via NYT
 - [Literature Review of Wind Turbines](#) by Usman Zafar
- ◆ Podcasts:
 - The Energy Gang presented by Greentech Media (hosts Stephen Lacey, Katherine Hamilton, and Jigar Shah)
 - How to Save a Planet by Gimlet Media (hosts Alex Blumberg and Dr. Ayana Elizabeth Johnson)