

The Crucial Role of Youth & Community Engagement in Advancing Offshore Wind Development

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Objectives

- **Emphasize** the role of youth in driving sustainable energy initiatives.
- **Showcase** the potential career opportunities in the offshore wind industry.
- **Discuss** the importance of community involvement and awareness in supporting offshore wind projects.

Community Engagement Events



Educational Workshops



Field Trips



Guest Speakers



Mini-Stem Challenges



Community Outreach



Partnerships



Awareness Campaigns



Youth Leadership Programs

Scan to collaborate with LAUTEC for community and youth engagement projects



<https://tinyurl.com/LAUTEC-ACP>

LAUTEC

Benefits of Youth Engagement

Long-Term Sustainability Advocates

- At the forefront of environmentalism, youth will advocate for sustainable practices and renewable energy solutions.

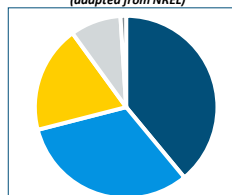
Future Stakeholders

- As future leaders, our youth will inherit the consequences of today's energy decisions, making their engagement crucial for long-term sustainability.

Innovative Perspectives

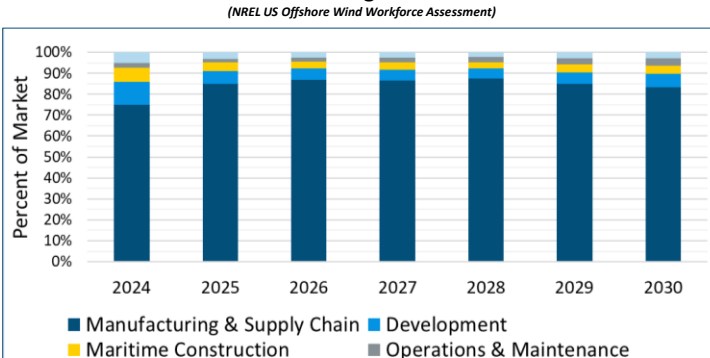
- Youth drive creative solutions to complex challenges in offshore wind.

Interest in a Career in Wind Energy *(adapted from NREL)*



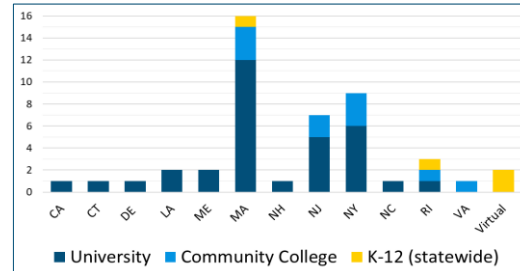
- Very Interested
- Interested
- Somewhat Interested
- Not Interested
- Don't Know / Refused

Offshore Wind Jobs Assuming 100% Domestic Workforce *(NREL US Offshore Wind Workforce Assessment)*



Number of OSW Youth Education Programs

(sources: NREL, 2022 & Open Energy Infrastructure, 2024 & Mass CEC, 2024)



Empower Youth Voices

Encourage participation in discussions, decision-making, and advocacy efforts related to offshore wind development.

Invest in Education

Support educational initiatives that promote understanding and appreciation of renewable energy to help develop the next generation of energy leaders.

Create Opportunities

Provide avenues for individuals to pursue careers in offshore wind energy, fostering a skilled workforce for the future.

Call to Action

References

- National Center for Education Statistics. (2024). *Fast Facts: Science, Technology, Engineering, and Mathematics (STEM) education, by gender (899)*. National Center for Education Statistics.
- Offshore Wind Power Facts | ACP. (n.d.). American Clean Power Association.
- Open EI. (2023, December 11). *Offshore Wind Workforce/Education and Training Database*. Open Energy Information.
- Stepek, Jeremy, Carrie Christol, Tony R. Smith, Matthew Kotarbinski, Brinn McDowell. 2022. *Defining the Wind Energy Workforce Gap*. Golden, CO: National Renewable Energy Laboratory.
- Stepek, Jeremy, Chloe Constant, Caitlyn Clark, Heidi Tinnisand, Carrie Christol. 2022. *U.S. Offshore Wind Workforce Assessment*. Golden, CO: National Renewable Energy Laboratory, Ruth Baranowski

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