A stylized illustration of a clean energy landscape. The background is a teal sky with white clouds. The foreground consists of rolling green hills. On the left, a wind turbine stands on a hill. In the center, two solar panels are mounted on hills. On the right, another wind turbine stands on a hill, and a blue electrical plug with a yellow lightning bolt symbol is connected to a blue cable that runs across the bottom right. The overall theme is sustainable and renewable energy.

Accelerating the Clean Energy Transition by Empowering Women

EE538 Final Presentation

Indrani Malhotra
11 December 2023



Is there a lack of female representation in the clean energy sector?

Does the lack of women in the industry contribute to stagnancy in the renewable energy transition?



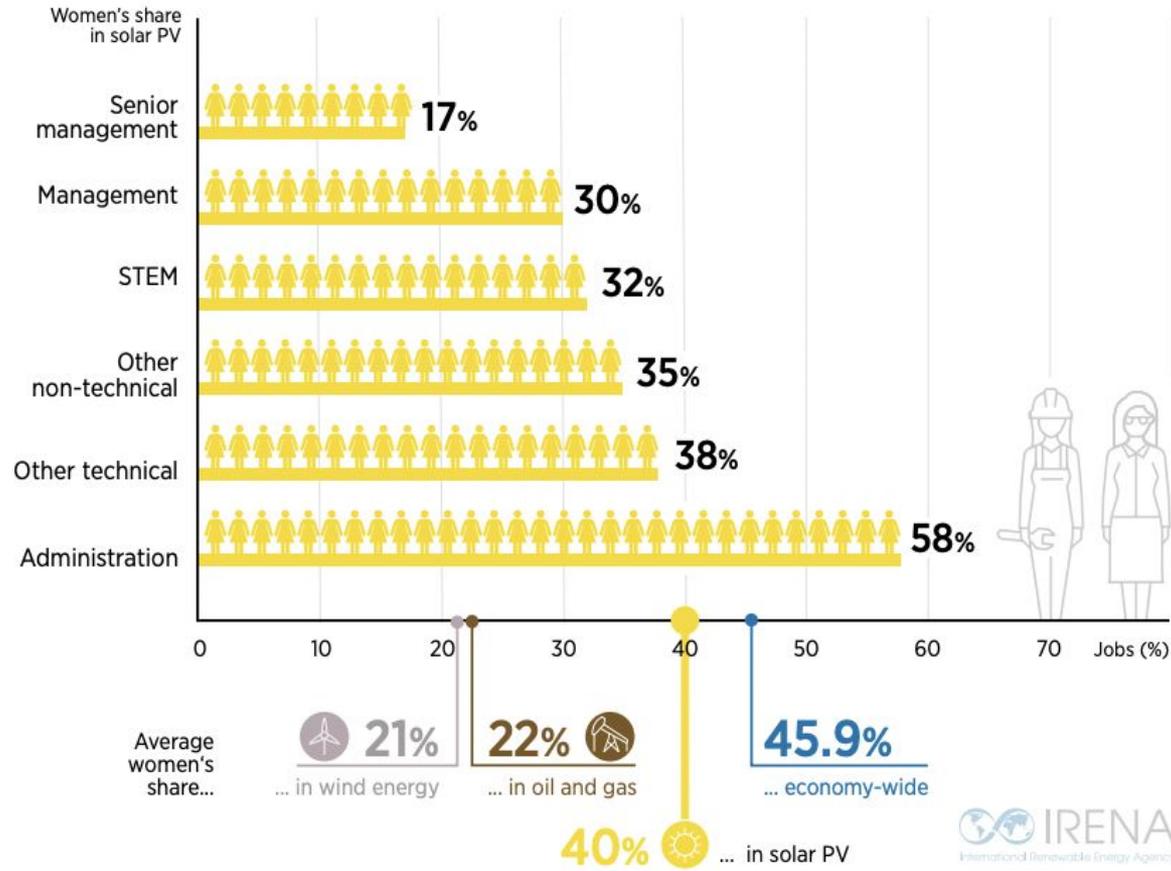
How can women feel empowered and inclined to get involved in the industry?

Ratio of women to men

8 : 17

in the renewable
energy industry





Source: IRENA, 2022a.

Note: PV = photovoltaic; STEM = science, technology, engineering and mathematics.

Barriers to Entry for Women



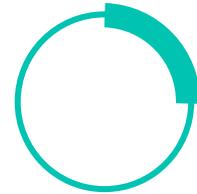
Lack of visibility



Threat of harassment



Fewer opportunities for women in STEM



Childcare challenges

Opportunities Are Endless



**Multiple points
of entry**



**Diverse
Skill sets**



**Growing
industry
employment**



**High earning
potential**



**Learning &
growth**



**Life
satisfaction**

Female Voices Are Essential

- Expand available labor force
- Different approaches to problem-solving
- Importance of diversity and transparency
- Sustainable development & a just transition

KEY TO EMPOWERMENT

Communication & Connections



Thank you!

Bibliography

IRENA and ILO. 2023. "Renewable energy and jobs: Annual review 2023." IRENA.

https://mc-cd8320d4-36a1-40ac-83cc-3389-cdn-endpoint.azureedge.net/-/media/Files/IRENA/Agency/Publication/2023/Sep/IRENA_Renewable_energy_and_jobs_2023.pdf?rev=4c35bf5a1222429e8f0bf932a641f818.

Novello, Amanda, and Greg Carlock. 2019. "Redefining Green Jobs for a Sustainable Economy." The Century Foundation. <https://tcf.org/content/report/redefining-green-jobs-sustainable-economy/>.

Renwick, Danielle. 2023. "The US needs 1m more electricians to hit climate goals. Can it recruit more women?" *The Guardian*, April 20, 2023.

<https://www.theguardian.com/environment/2023/apr/20/us-electricians-shortage-recruit-women>.

Wang, Katherine T., and Jill S. Tietjen, eds. 2023. *Women in Renewable Energy*. Cham, Switzerland: Springer International Publishing. <https://doi.org/10.1007/978-3-031-28543-1>.

Women's Bureau. 2012. "Why Green Is Your Color: A Woman's Guide to a Sustainable Career." U.S. Department of Labor.

Interviews with:

- Sierra Dall, President and Founder of Municipal and State Energy Edge Forum
- Lynn Arthur, President and Founder of PeakPower LI
- Amanda Campbell, Training Operations Manager and member of Women In Solar Power working group at Solar Energy International