



# 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?**



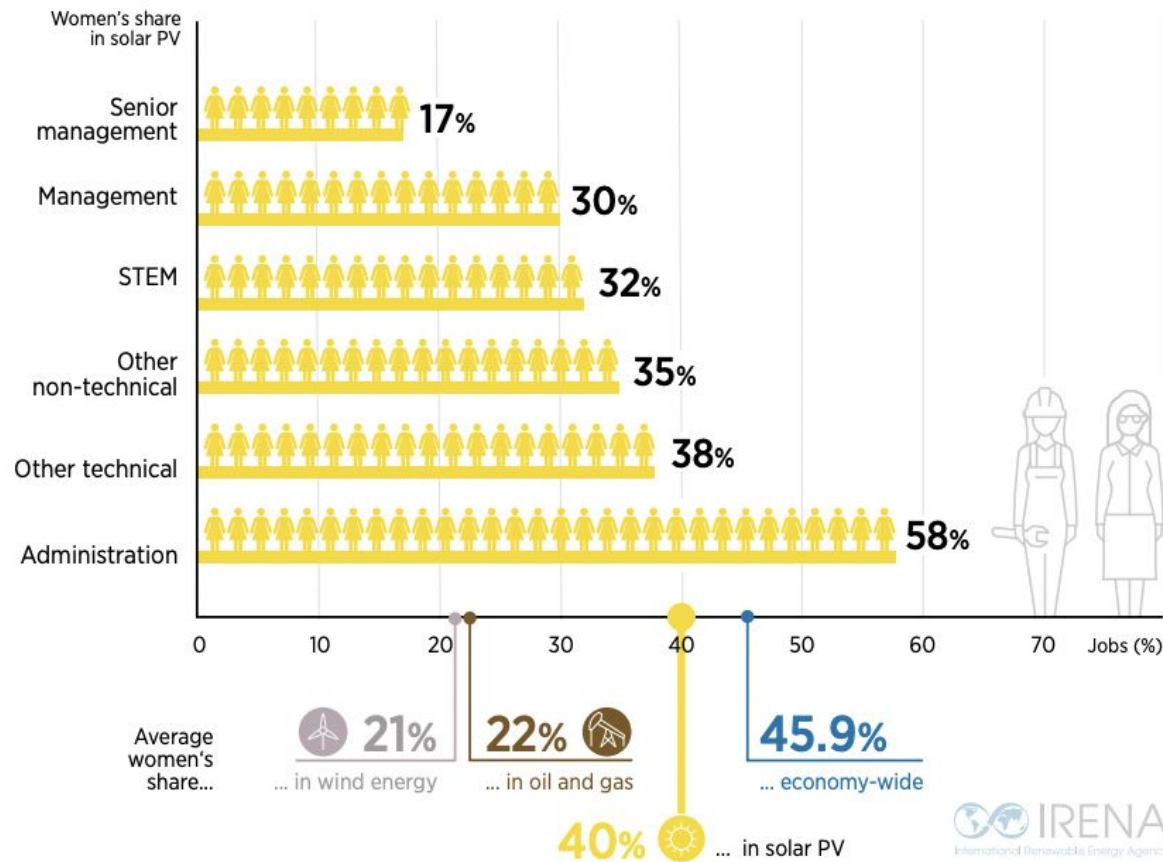
**How can women feel  
empowered and inclined to  
get involved in the industry?**

Ratio of women to men

8 : 17

in the renewable  
energy industry

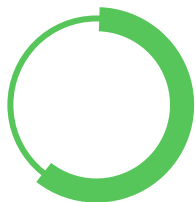




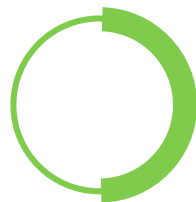
Source: IRENA, 2022a.

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

# Barriers to Entry for Women



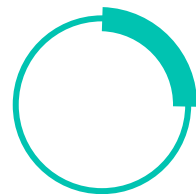
**Lack of visibility**



**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](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