



# The energy transition needs you!

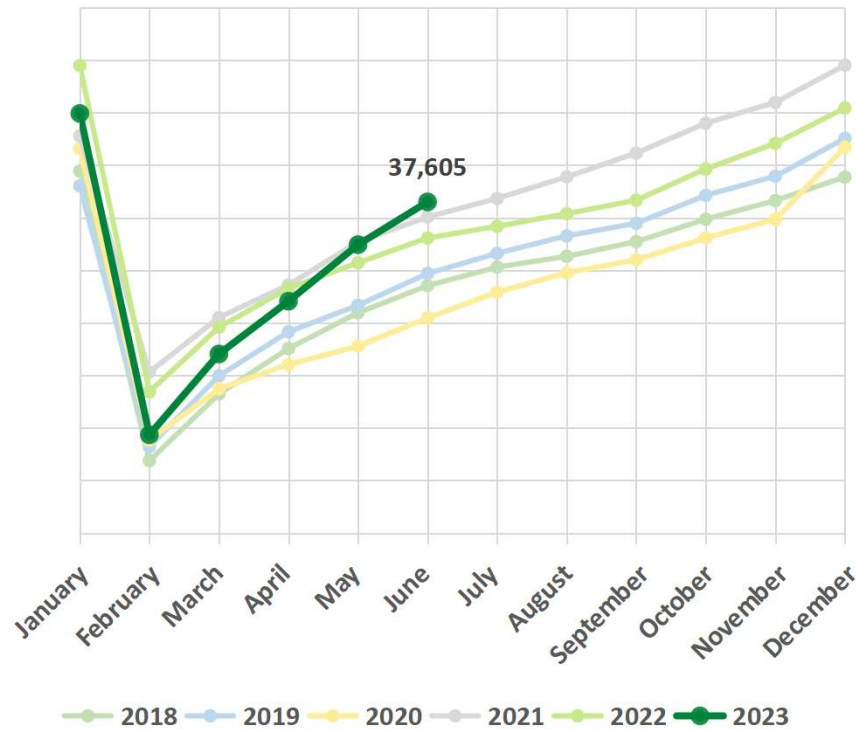
**Dr. Julio Romero Agüero**  
**VP Chapters & Membership, IEEE PES**

**2023 IEEE PES General Meeting**  
**Orlando, FL**  
**July 17, 2023**

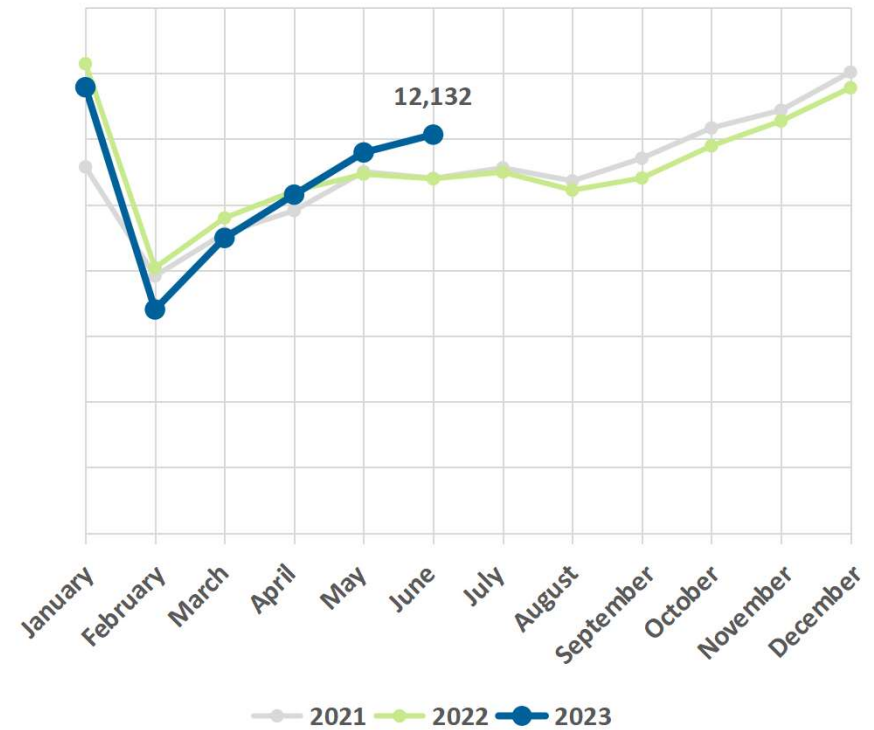
# PES Membership

- Greatest YoY PES membership of the last five years (2018-2023), PES has 37,605 members as of June 2023!
- Students and graduate student members comprise about 1/3 of our total membership

Total IEEE PES Membership

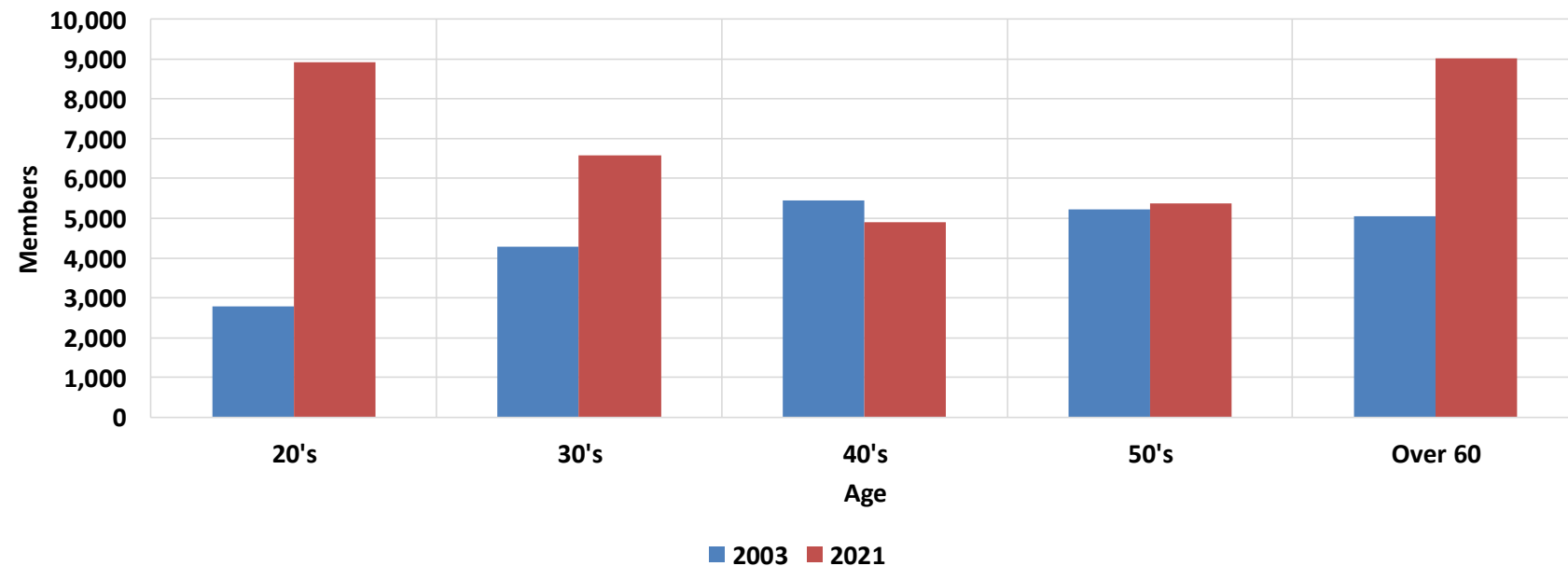


Student and Graduate Student Members



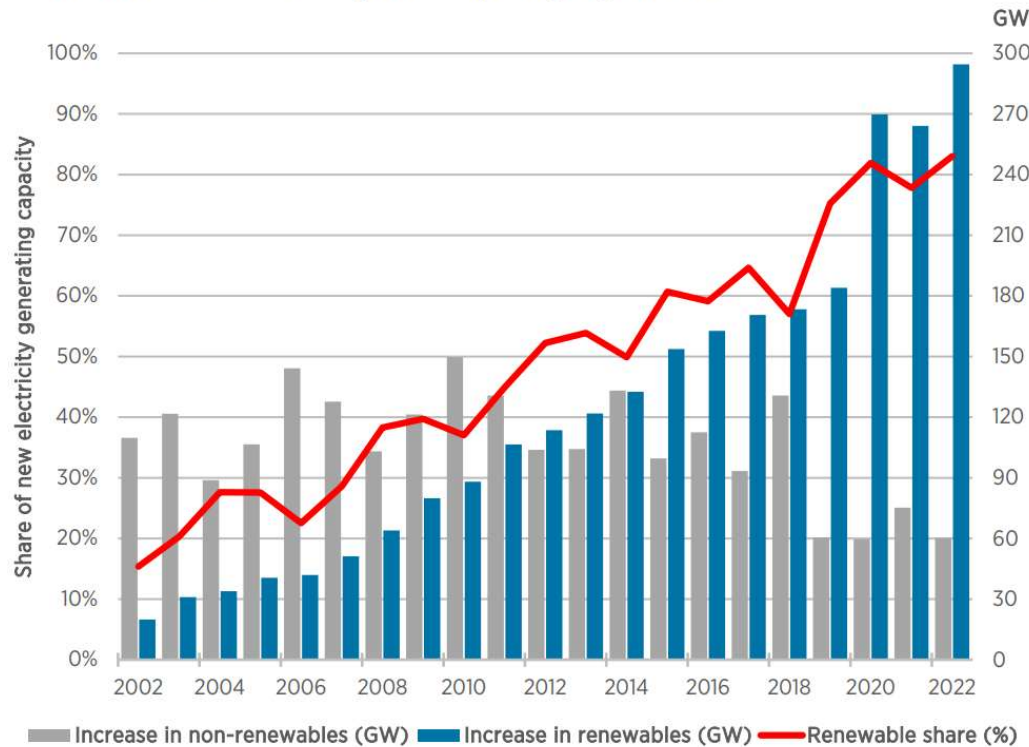
## IEEE PES Membership by Age Group

- Steady growth of Students and Young Professionals
- Growing segment of our membership approaching retirement
- **Need for greater involvement of students in technical activities**



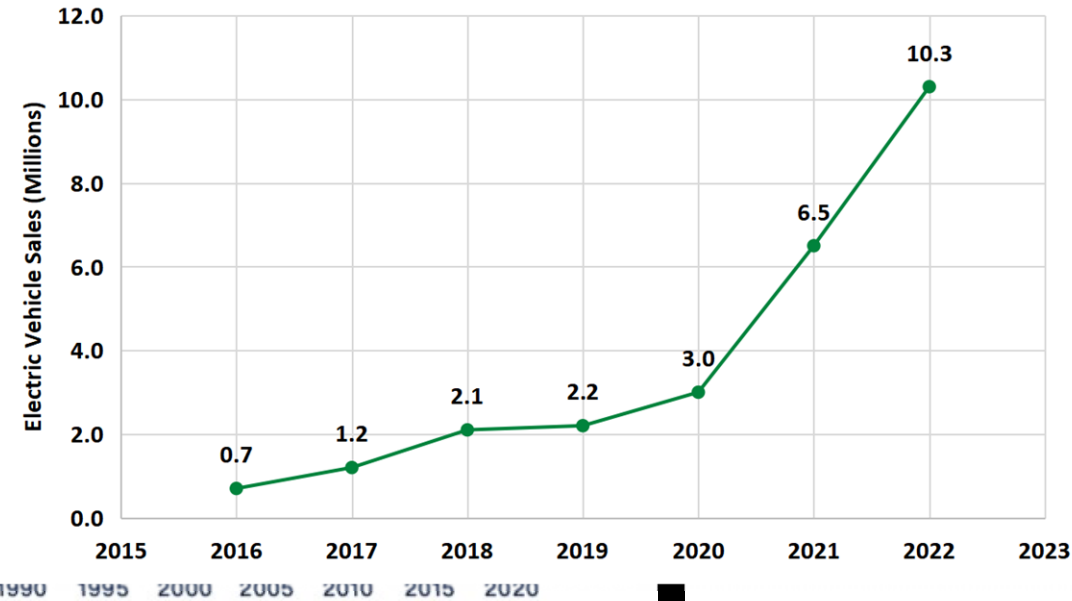
# What we do is cool and vital for our global future!

Renewable share of annual power capacity expansion



Source: IRENA

Global Light Duty Electric Vehicle Sales



Source: IEA

12AM 3AM 6AM 9AM 12PM 3PM 6PM 9PM 12AM

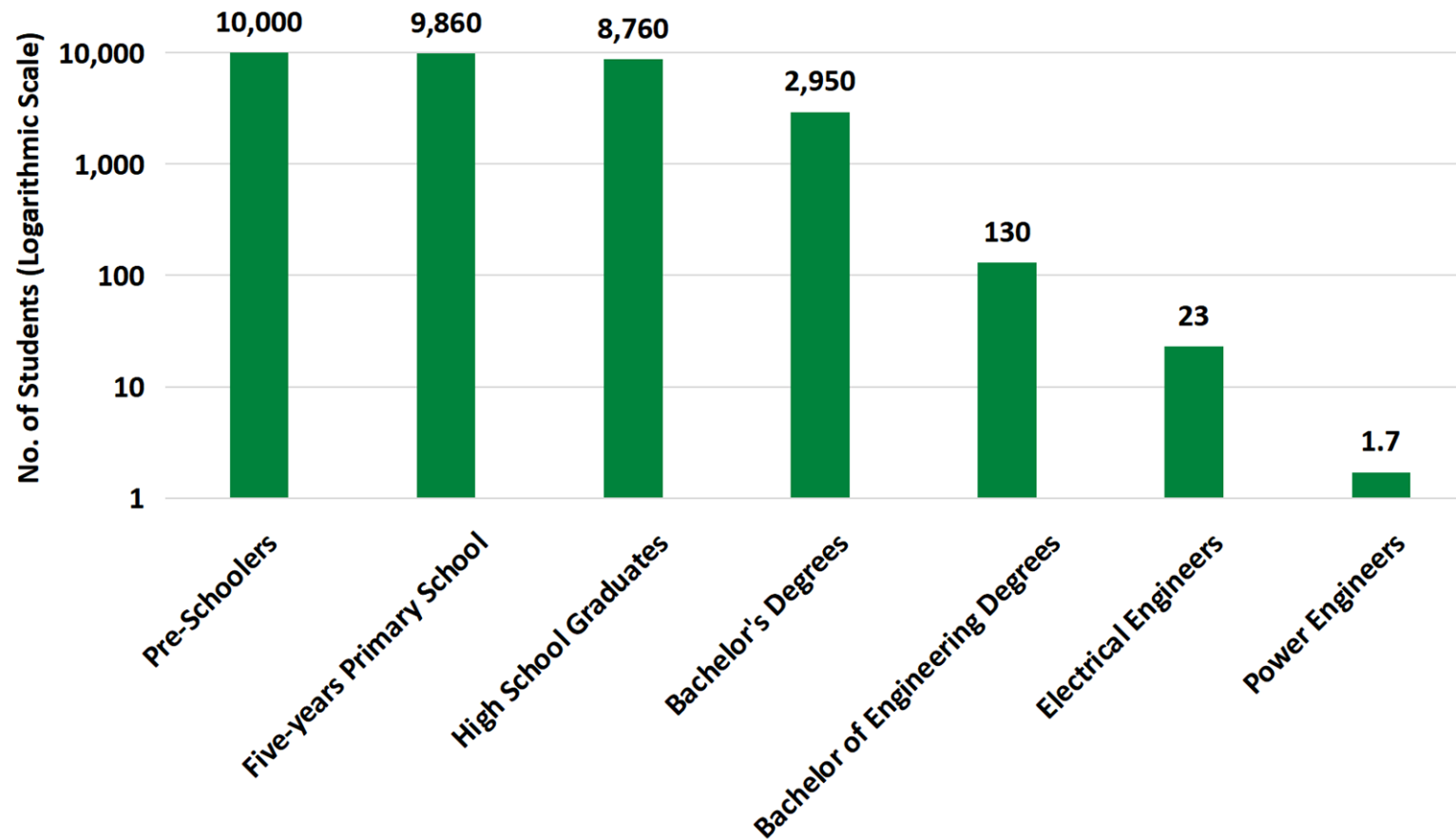
Source: CAISO | @BPBartholomew

Note: Net load shown is demand minus utility-scale wind and solar

The Merit Order

# The energy transition will require more power and energy professionals!

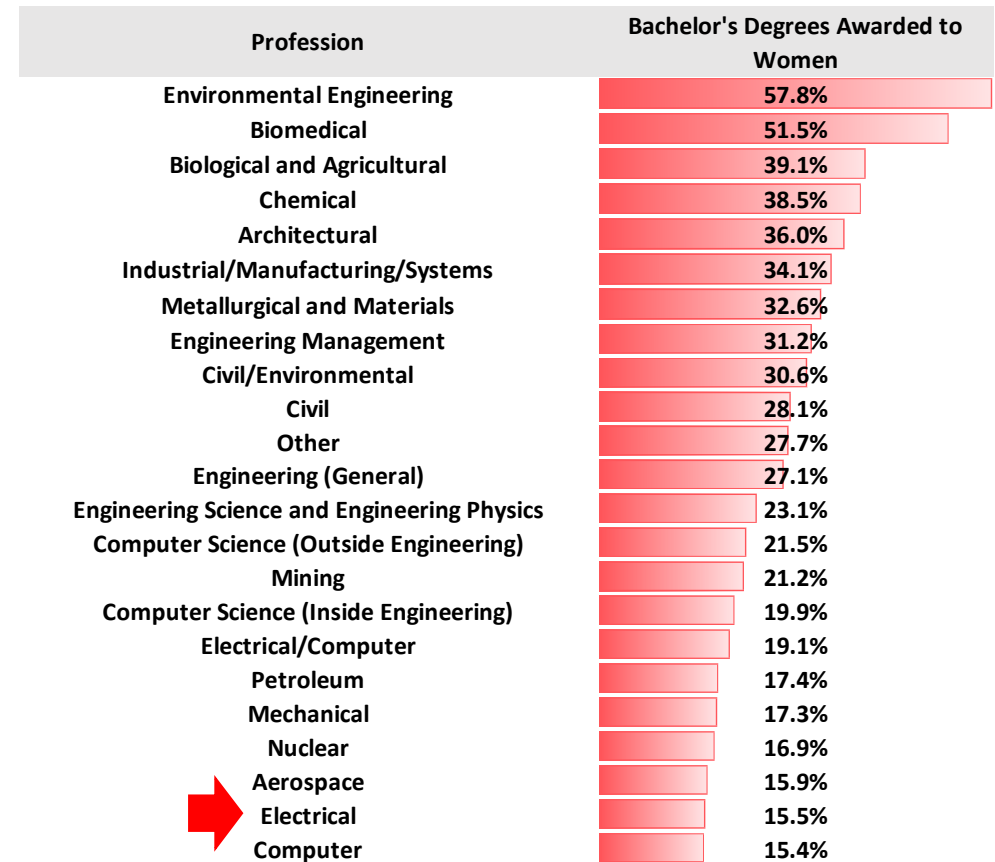
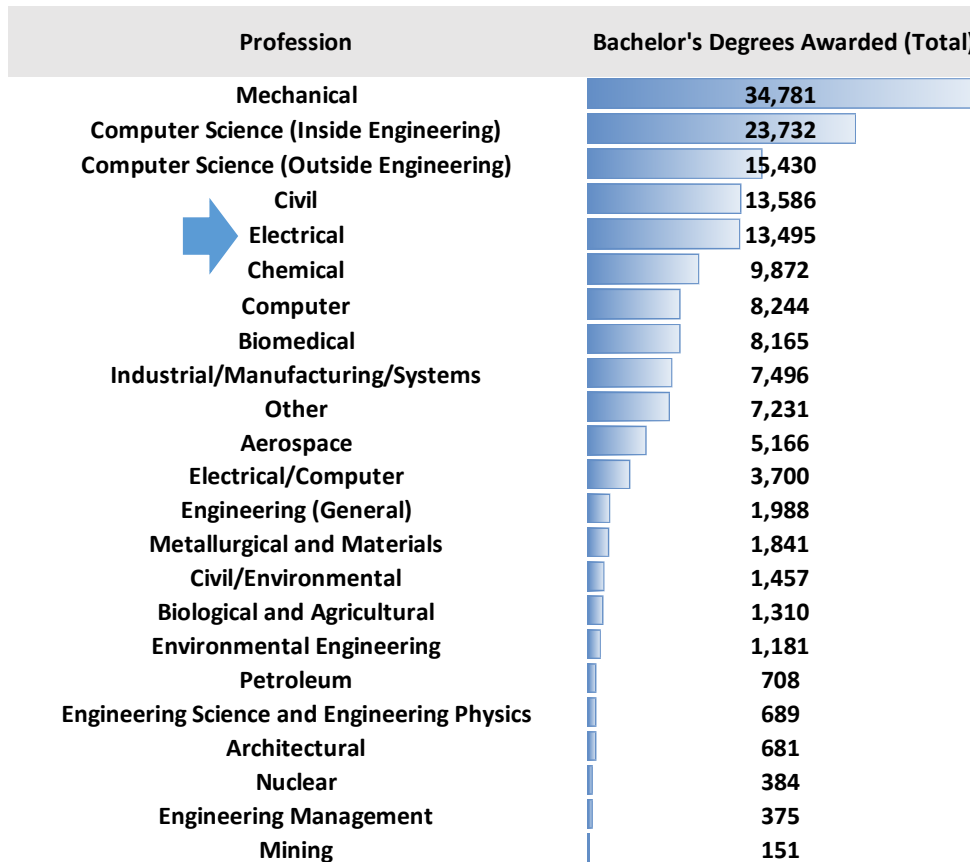
No. of Students (per 10,000) who become Power Engineers



Source: EPRI

# We need a bigger tent!

- Our industry is increasingly becoming multidisciplinary
- PES is the home of all power and energy professionals



Source: ASEE 2021

# Volunteer!



- The world is still experiencing, on average, a shortage of engineers in all domains.
- IEEE and PES can help accelerate career growth, ensure access to continuous education and prepare members to lead and address existing and future industry challenges driven by the energy transition
- The future of PES and our industry relies on strong leadership, commitment, volunteering and innovative thinking from all our members!
- **Please reach out and volunteer with your local Chapters, we need your support to continue growing and providing benefits to our members!**

## SUSTAINABLE DEVELOPMENT GOALS



*“Engineering is a vital profession in addressing basic human needs, in alleviating poverty, in promoting secure and sustainable development, in responding to emergency situations, in reconstructing infrastructure, in bridging the knowledge divide and in promoting intercultural cooperation.” UNESCO*