



# MITEI External Advisory Board Meeting:

## *A MITEI Alumni Perspective*

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# Introduction

## At MIT (2013-2017)

- B.S. Nuclear Science & Engineering, MIT 17'
  - **Research:** UQ for CFD in Nuclear Systems
- MIT Gordon Engineering Leadership Program
  - GEL 2 Team coach
- MIT Energy Club
  - Co-Vice President
  - Nuclear Community Co-Chair
- MIT Energy Initiative (Enthusiast)
  - Energy Studies Minor
  - Energy UROP
  - Energy Education Task Force
  - Unofficial Energy Club Ambassador

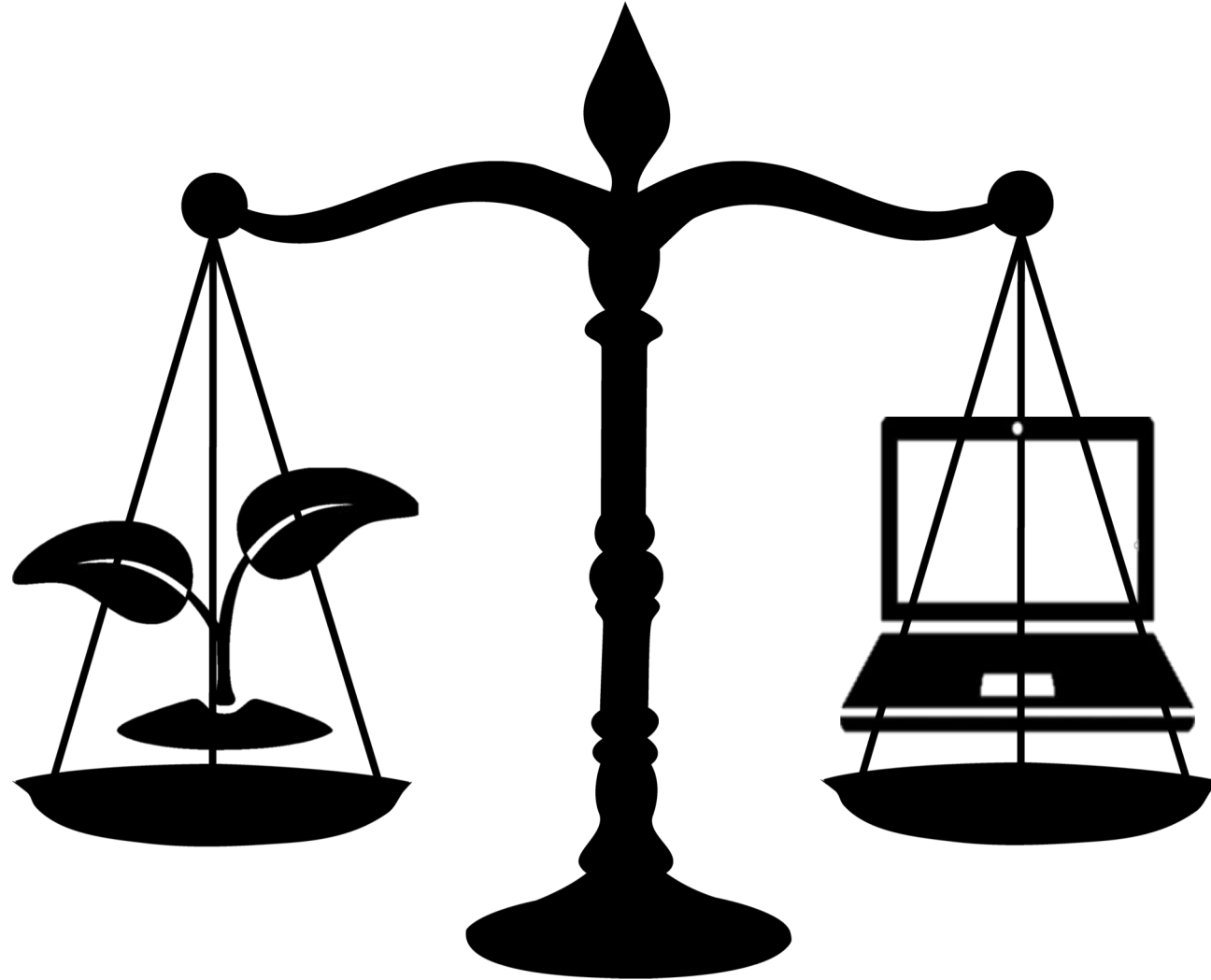
## Post MIT (2017-Present)

- Joined Avangrid in September of 2017.
  - US arm of Iberdrola
  - Serves 3.2 million networks customers in the northeast United States.
  - Operates over 6.6 GW of renewable capacity in 24 states.
- Serve as an Analyst within the CEO Office
  - AGILE Program
  - Innovation, Regulatory, Market, Competitor Analysis
  - Electric Vehicle Roadmap Planning
  - Electricity Retail Market
  - Renewables and Energy Storage

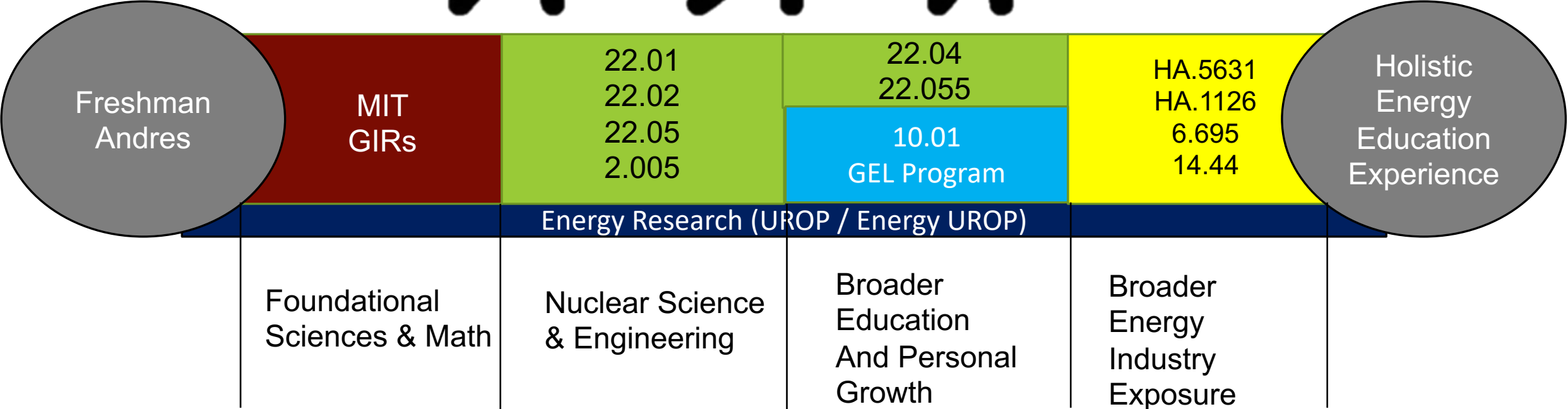
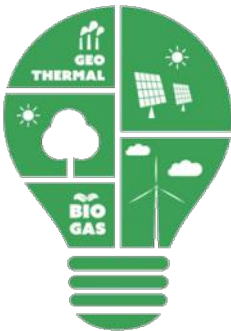


# Energy Motivation

Energy Balance



# Nuclear Academia & MITei



# Power Industry & MITei



**Electric Vehicle Road Map**



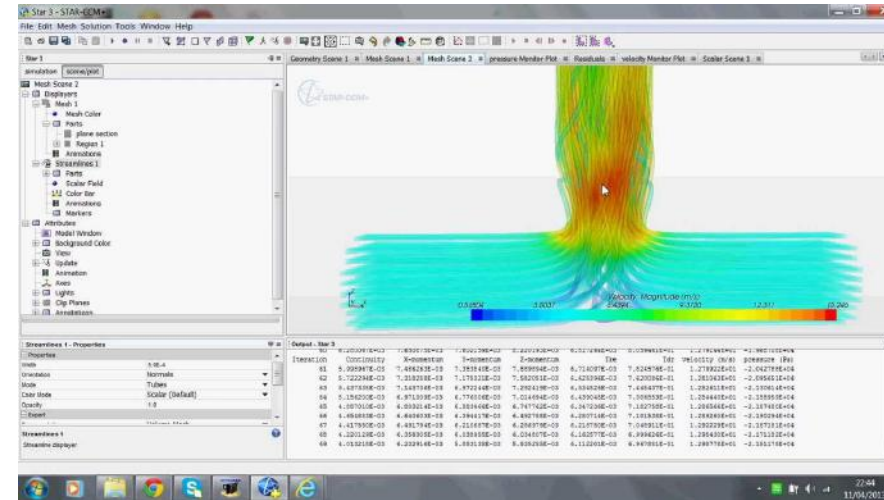
**Offshore Wind & Energy Storage**

# Future Outlook & MITei Recommendations



## Future Goals:

- 1-2 more years in Industry to understand how energy investment decisions are made.
- Graduate School: Quantifying uncertainty in energy planning (inspiration from CFD UQ).



## Recommendations for MITei:

1. Continue to be flexible in the courses for the MITei Minor. Will enable more students to be a part of the program.
2. Given the importance of regulation in the energy sector, a course related to this topic should be included as required in the energy minor.
3. Continue to foster collaborations between undergraduates and graduate students in energy. Opportunity to do this through collaboration with the MIT Energy Club or the Energy UROP.
4. Consider establishing a graduate program in energy for those interested in topics that do not silo completely well in other departments.