

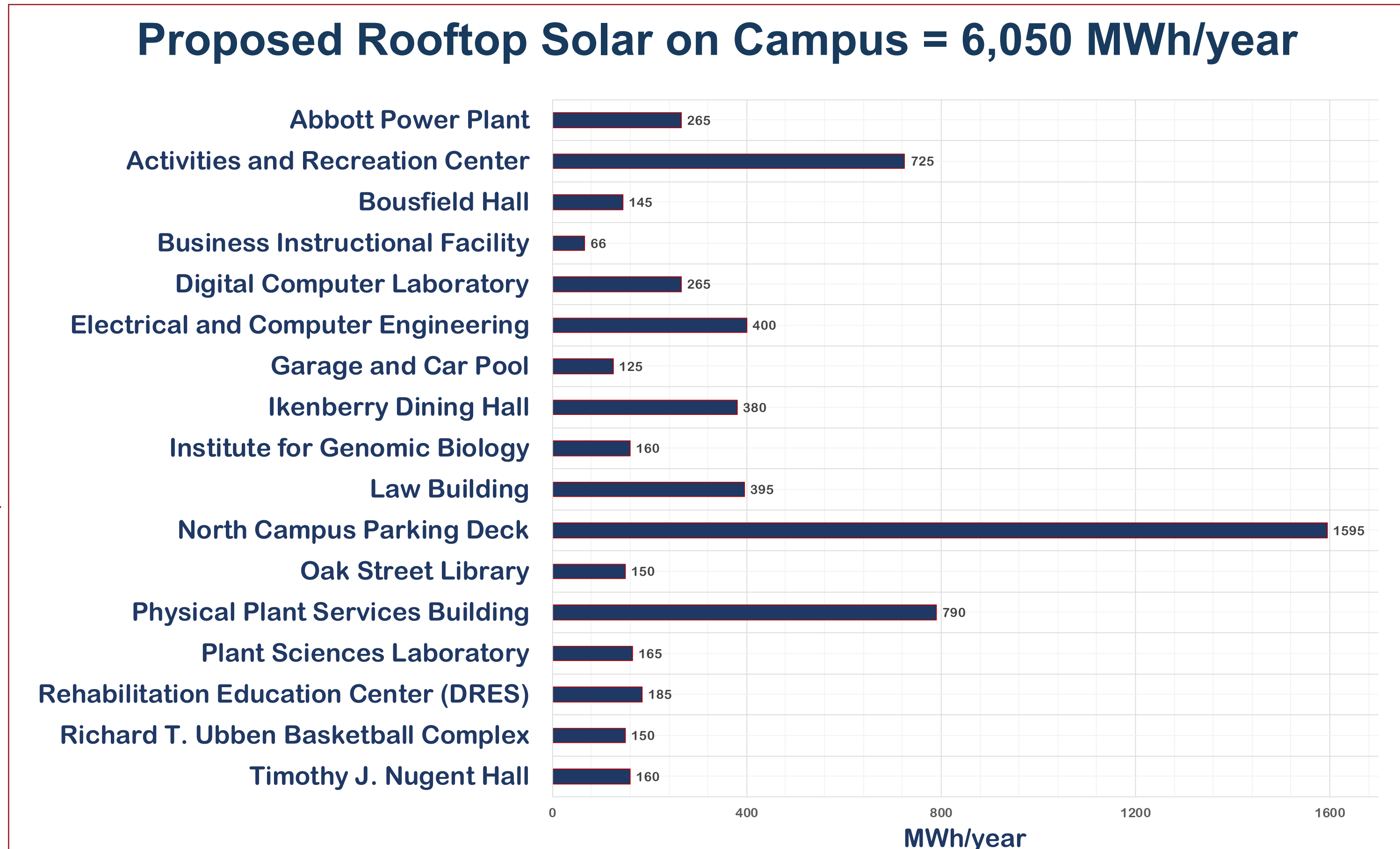
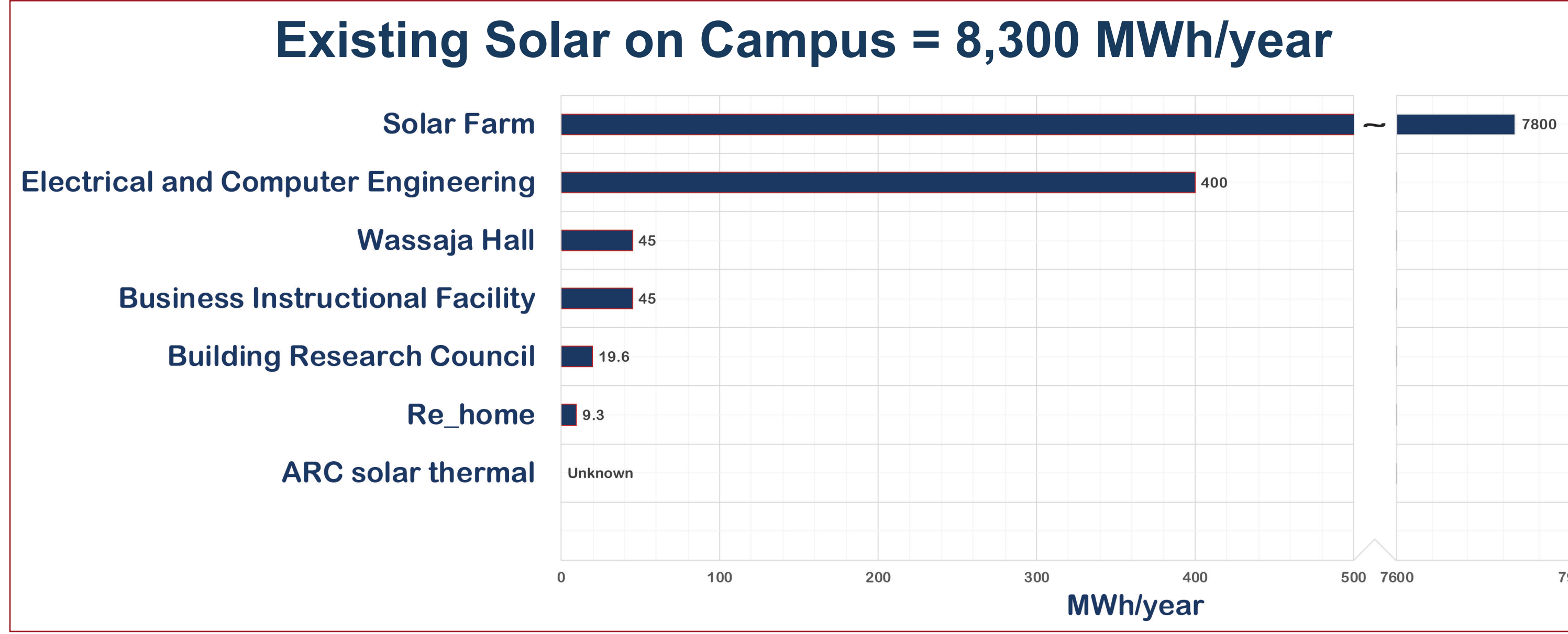
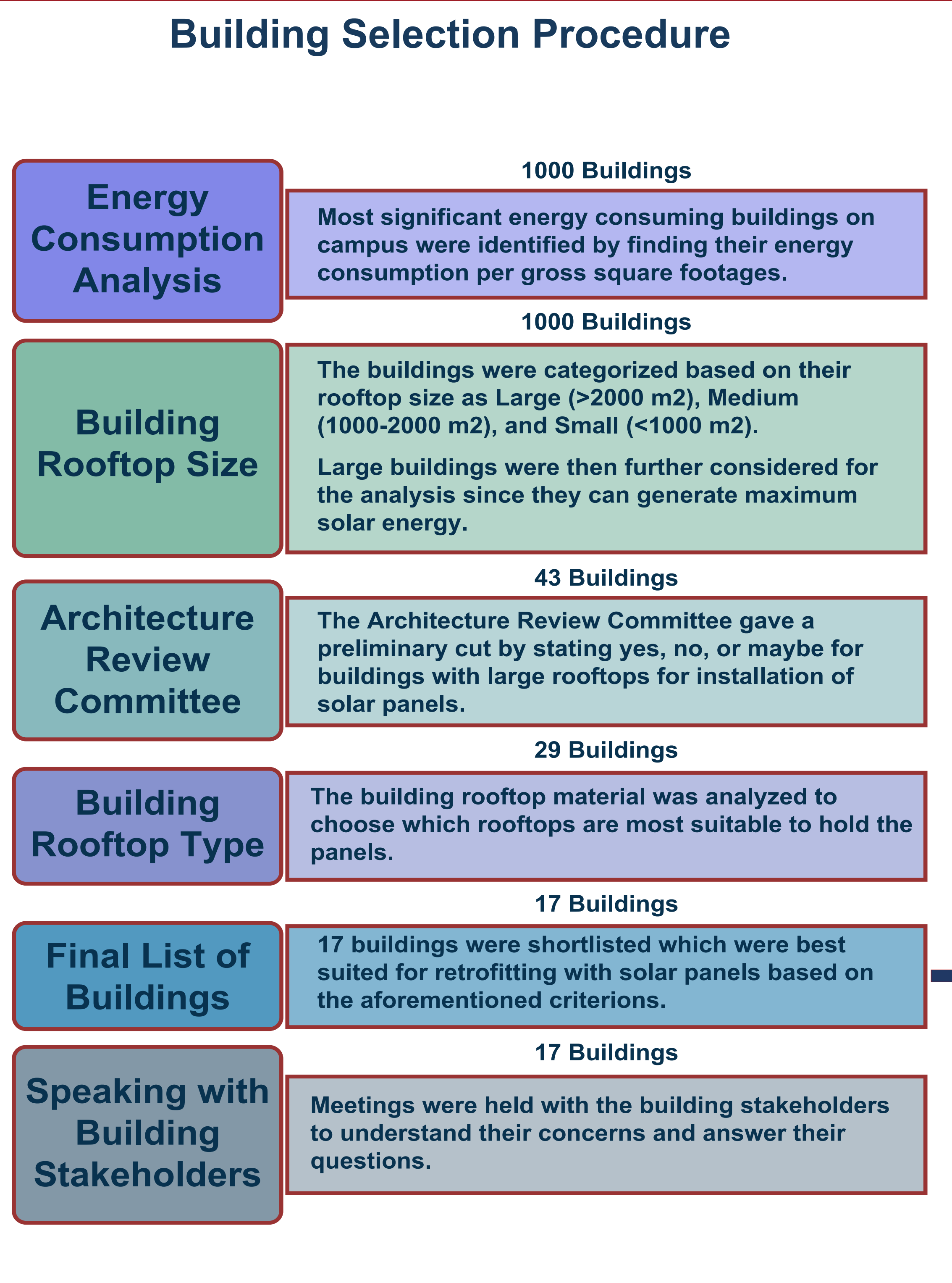
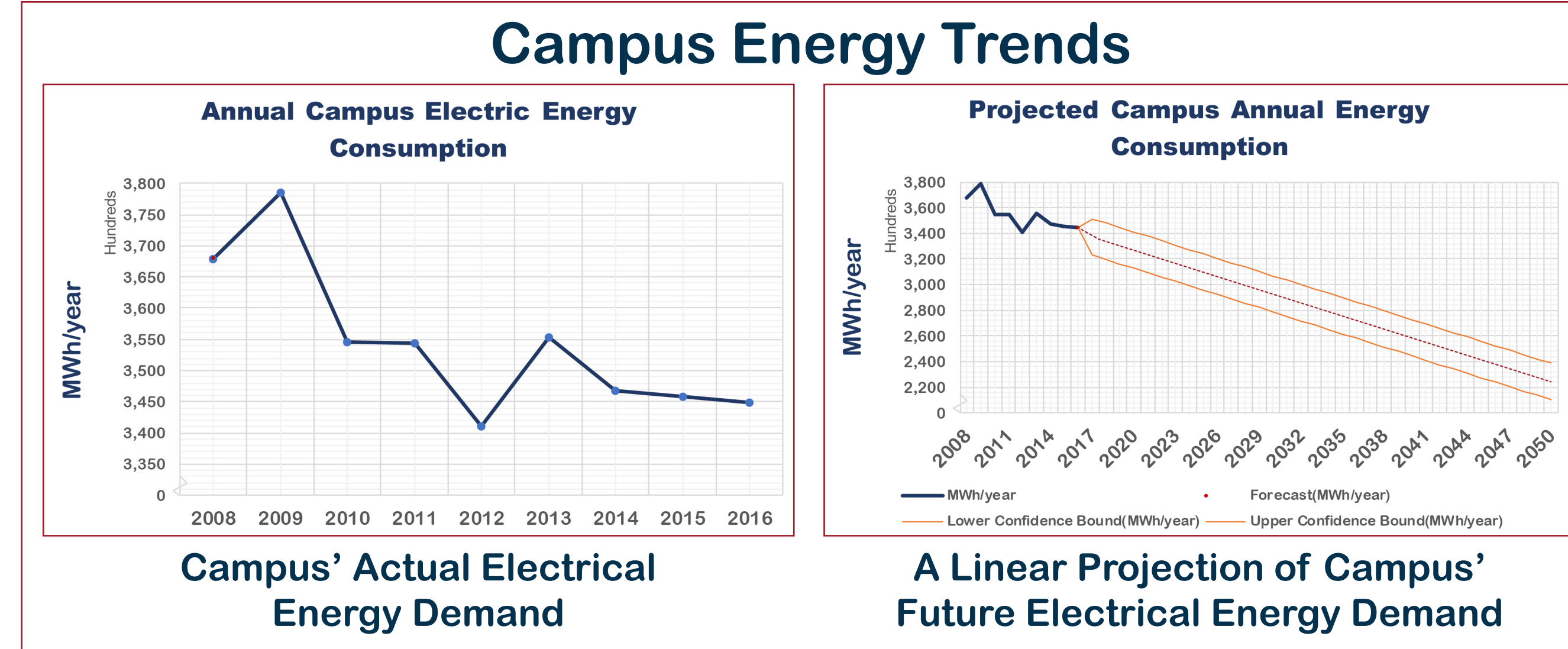
# RETROFITTING THE CAMPUS WITH ROOFTOP SOLAR

## A Plan to Implement the 2015 iCAP Objective...

The aim of this project is to propose a plan to generate 12,500 MWh/year of solar energy on campus by FY20.

This is one of the several 2015 iCAP objectives that our university signed to mitigate the risks of climate change and do our bit as an institution.

- ### Why Rooftop Solar?
- Good use of available space.
  - Clean and a green source of energy.
  - Reduction in carbon emissions and a step closer to carbon-neutrality.
  - Fairly non-invasive process.
  - Can provide peak generation of energy during the peak electrical energy demand.
  - Zero noise pollution.
  - Requires very little maintenance.
  - Predictable energy generation due to predictable solar irradiation.
  - Rebates and incentives are available.
  - Improvement of campus image therefore potential to attract more students.
  - Helps "green" our economy.



**Total Rooftop Solar on Campus by FY20 = 14,350 MWh/year**

- 2008**: Our university signed the American College and University Presidents' Climate Commitment (ACUPCC).
  - A formal commitment towards achieving carbon neutrality ASAP.
- 2010**: The 2010 Illinois Climate Action Plan (iCAP) was signed with the goals of:
  - Reducing existing building energy consumption by 20%;
  - Reducing existing building greenhouse gas emissions by 15%;
  - Purchasing 30% of food from local sources;
  - Reducing potable water usage by 20%;
  - Implementing a "no net increase in space" policy; and
  - Obtaining 5% of electrical energy from renewable sources.
- 2015**: The 2010 iCAP was updated to further the goals and build upon them.
  - One of the goals is to generate 12,500 MWh/year of solar energy on campus.
- 2017**: FY17 Project development and sourcing funds.
  - Meeting with potential buildings
  - Seeking funding
  - Writing the RFP
- 2018**: FY18 Request for Proposals (RFP)
- 2019**: FY19 Installation completed
- 2020**: FY20 Obtain 12,500 MWh/year of solar energy on campus



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This project would not have been possible without Morgan Johnston, Corey Weil, and Brendan McDonnell

