



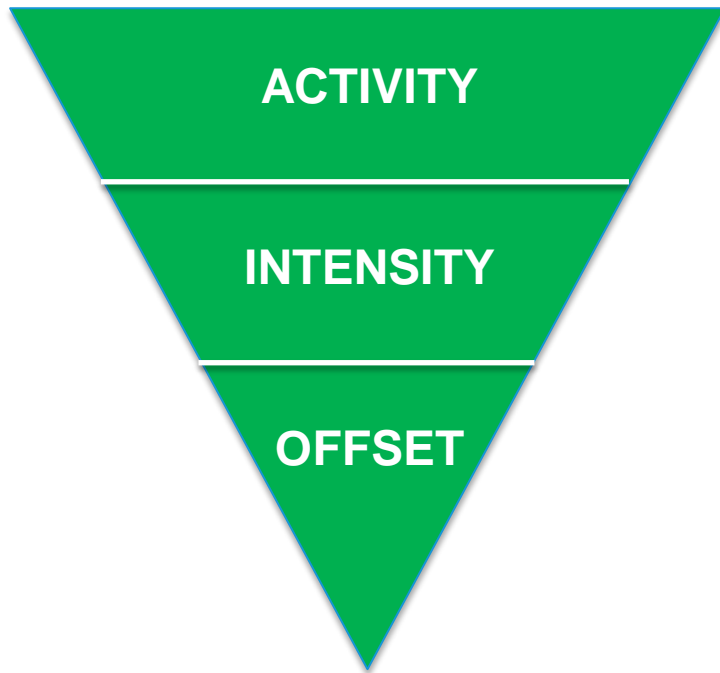
# FY2013 Sightlines Presentation

Champlain College



# The Carbon Mitigation Hierarchy

*Hierarchy illustrates diminishing levels of transformational change*



## Carbon Mitigation Portfolios:

### 1. Reduce Activity

- Reducing an existing level of activity
- **Example:** Fewer kWh consumed; fewer miles traveled

### 2. Reduce Intensity

- Lessening the carbon intensity of activities
- **Example:** Fuel switching (oil > natural gas; solar power); commuting mode mix (drive alone > carpool)

### 3. Offset

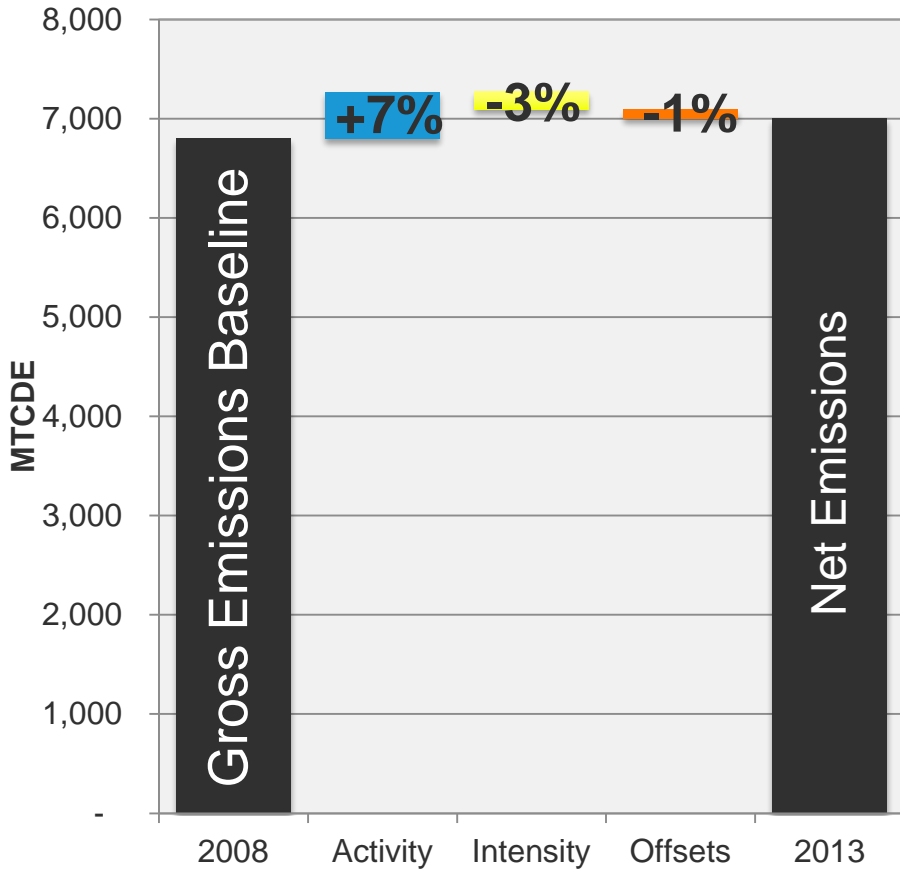
- Utilizing carbon offsets to neutralize emissions
- **Example:** RECs; sequestration; retail offsets

# Emissions Have Increased by 3% Since FY08

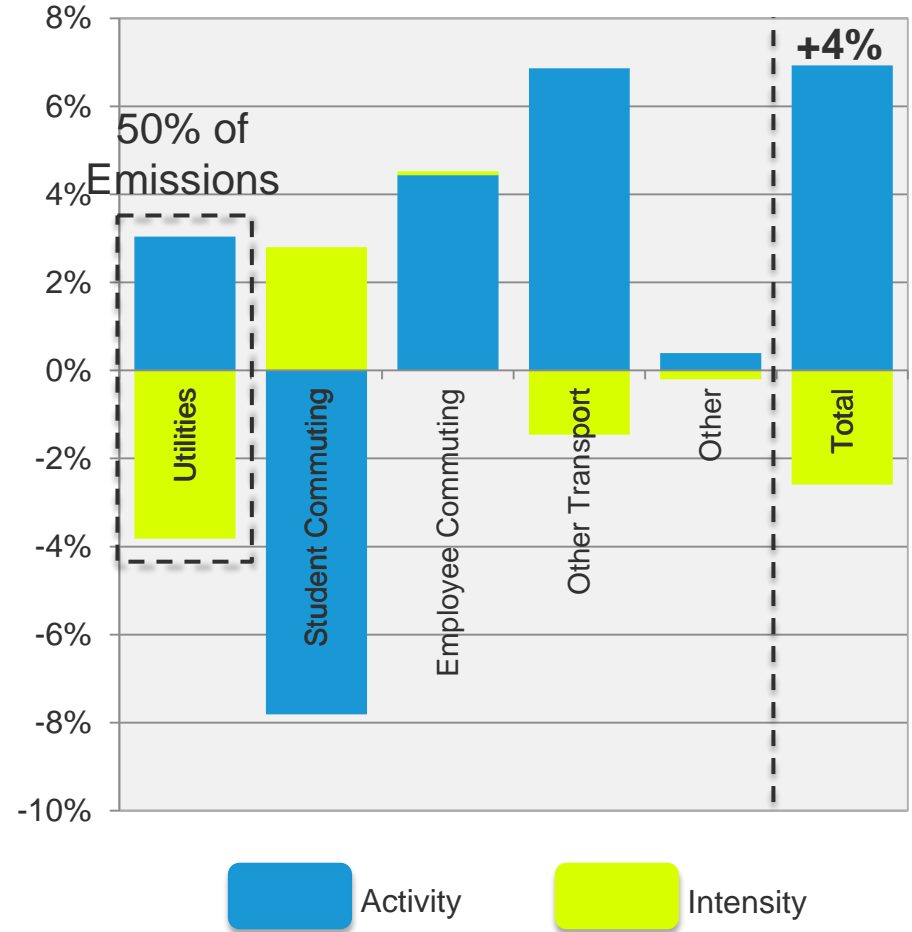


*Campus GSF has increased by 10% over this time period*

Net Change in GHGs by Portfolio



Activity and Intensity Portfolios 2008-2013

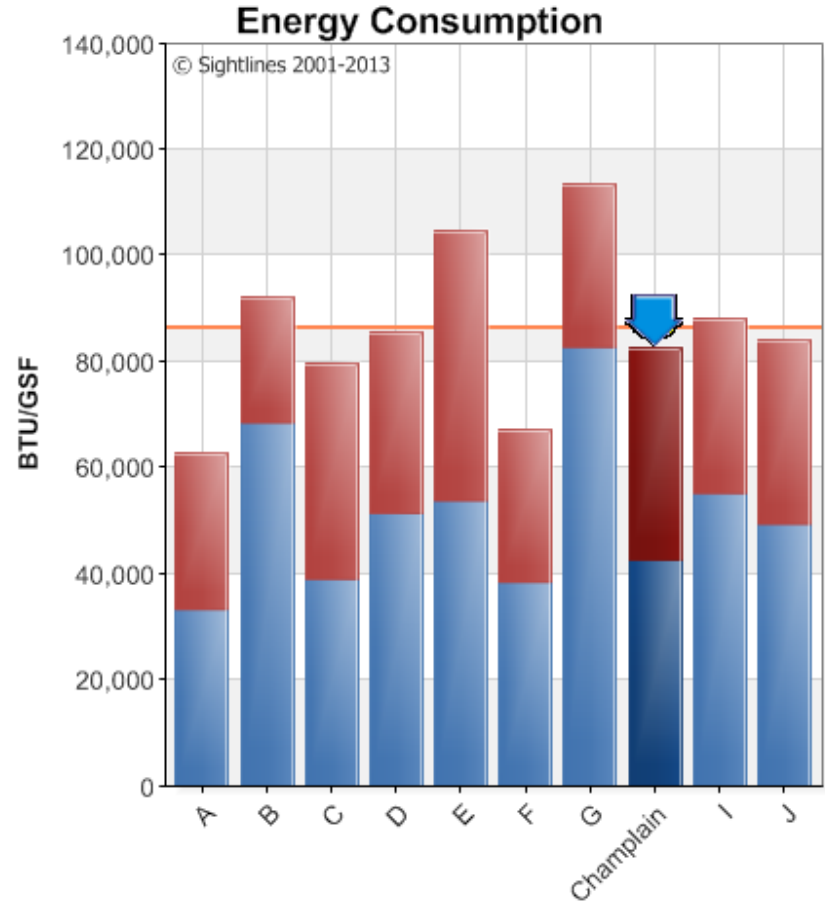
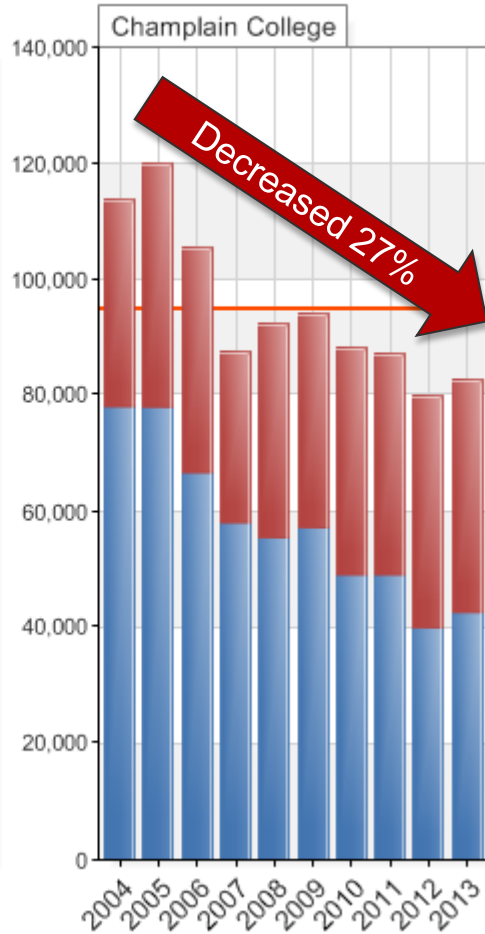
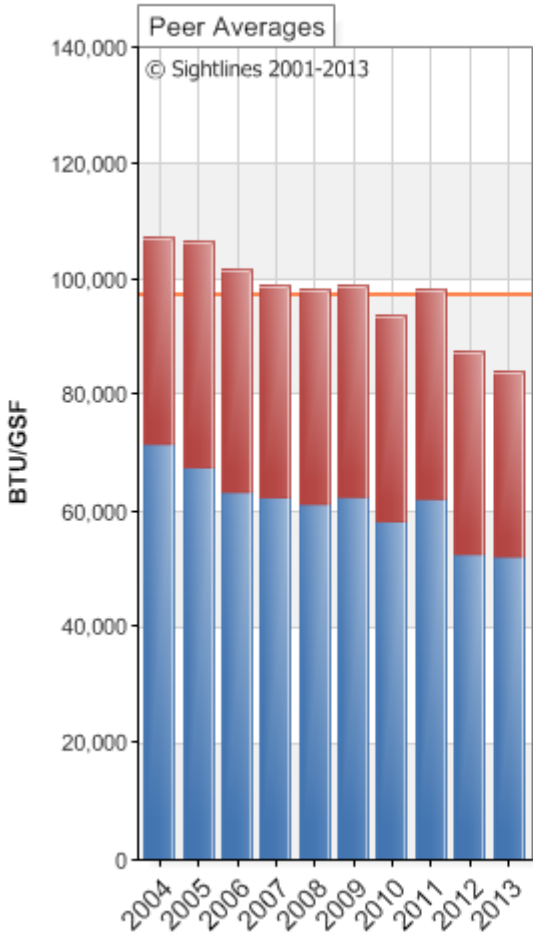


# Energy Consumption Continues to be a Strength



*As geothermal projects are completed, downward trend will accelerate*

## Energy Consumption



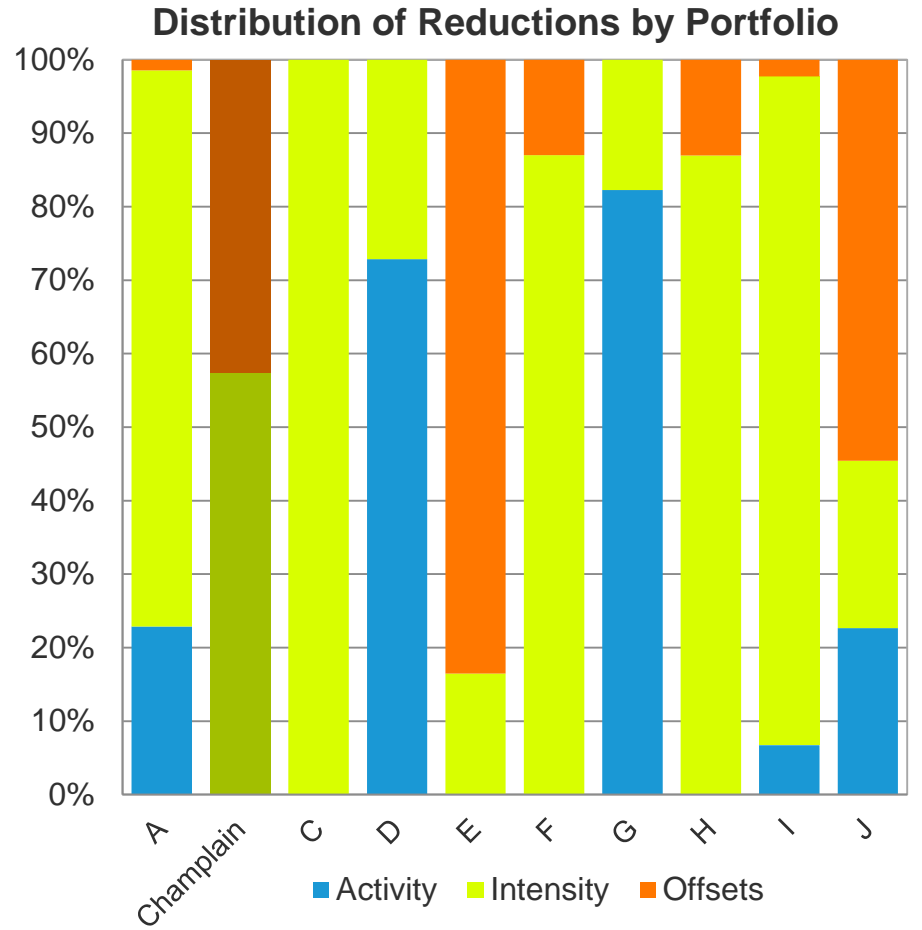
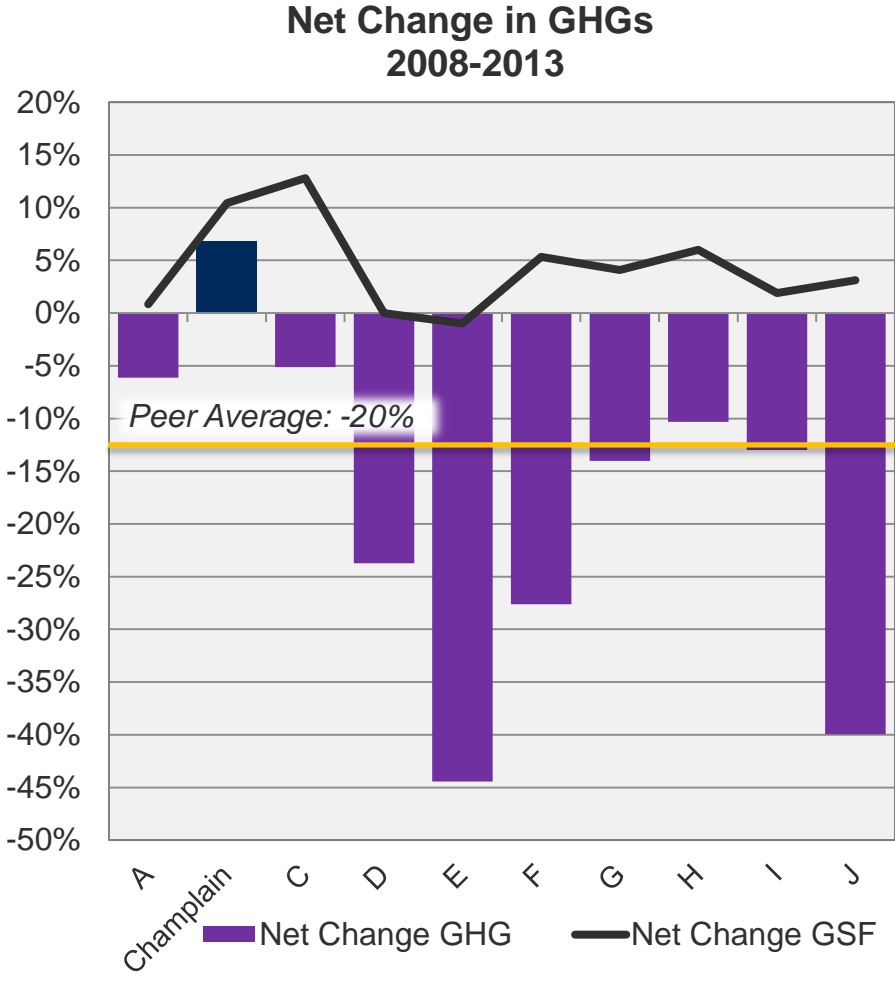
Electric Fossil

\*Facilities Peers

# Sole Increase in Net Emissions Since FY08



Many peers achieving significant reductions in activity, others using RECs



**Go-Green Peers:** Babson College, Bentley University, Boston College, Carleton College, Hamilton College, Hampshire College, Siena College, University of Vermont, Wesleyan University

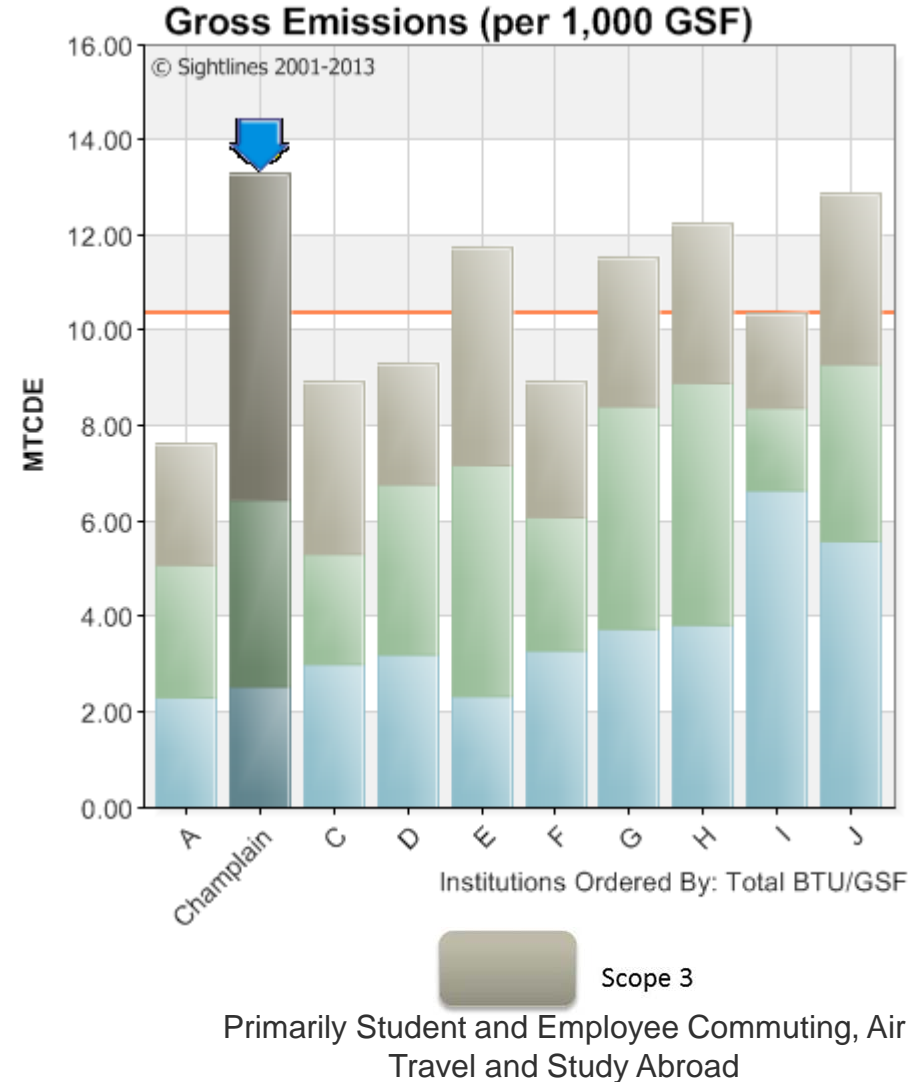
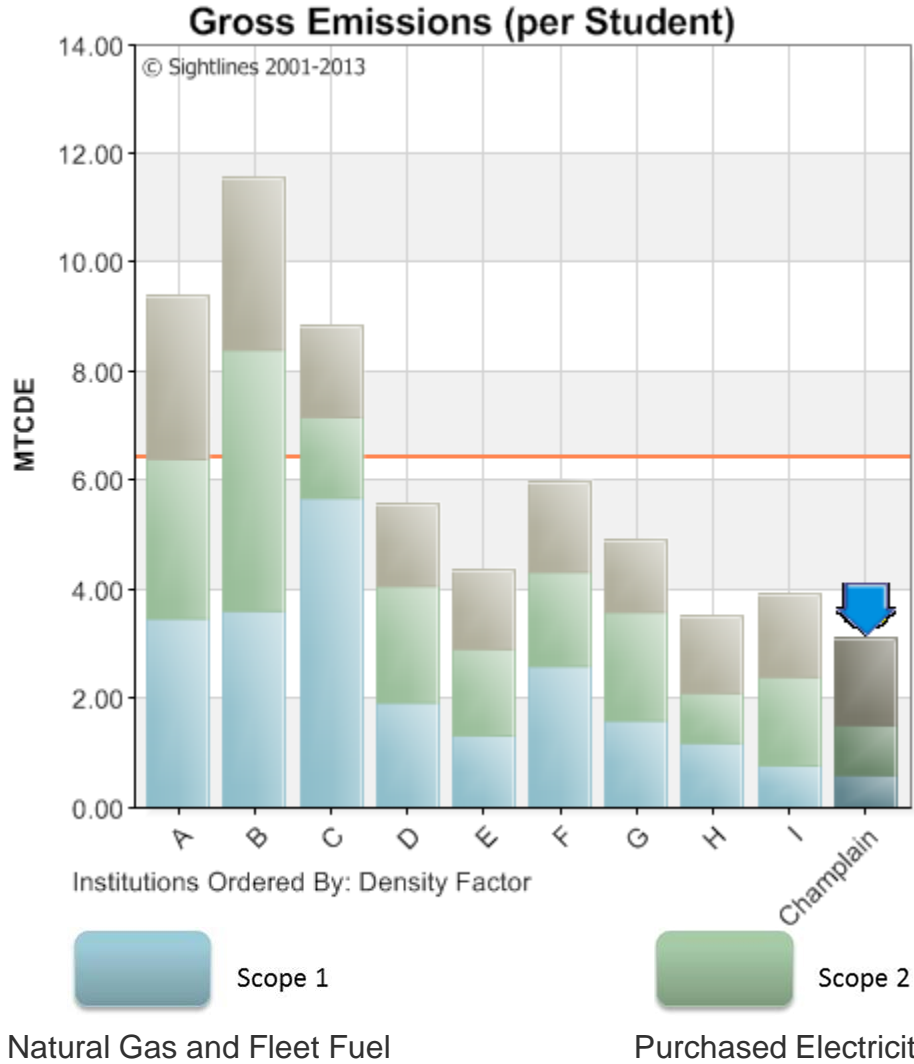
Ordered by BTU/GSF



# Normalized Performance Varies



*Far less emissions per student, Scope 3 drives emissions per GSF higher*



# Major Takeaways



Champlain's Campus has Been Transformed by Recent Investments into Existing Space and New Construction

Reserving for Future Envelope and Mechanical Needs in Newly Constructed and Recently Renovated Spaces is Critical to Continuing Current Levels of High Performance

Maintenance Staff is Stretched Thinly and May not be Able to Absorb Planned GSF Without Additional FTEs

Champlain Outperforms Peers in Many Key Areas of Campus Sustainability Including Energy Management and Emissions per Student