

Yale University
Yeshiva University

FY15 Analysis

Champlain College

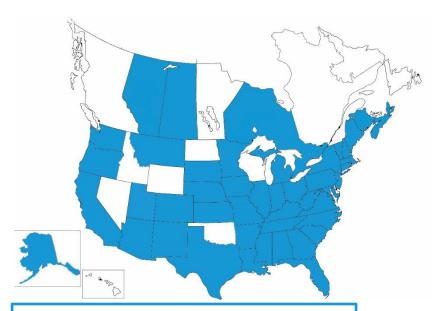
Presented by: Dan Willman and Josh Vidro



Who Partners with Sightlines?

1878

Robust membership includes colleges, universities, consortiums and state systems



Serving the Nation's Leading Institutions:

- 70% of the Top 20 Colleges*
- 75% of the Top 20 Universities*
- 34 Flagship State Universities
- 13 of the 14 Big 10 Institutions
- 9 of the 12 lvy Plus Institutions
- 7 of 12 Selective Liberal Arts Colleges

Sightlines is proud to announce that:

- 450 colleges and universities are Sightlines clients including over 325 ROPA members.
- 93% of ROPA members renewed in 2014
- We have clients in 42 states, the District of Columbia and four Canadian provinces
- More than 100 new institutions became Sightlines since 2013

Sightlines advises state systems in:

- Alaska
- California
- Connecticut
- Hawaii
- Maine
- Massachusetts
- Minnesota
- Mississippi
- Missouri
- Nebraska
- New Hampshire
- New Jersey
- Pennsylvania
- Texas
- West Virginia



^{*} U.S. News 2015 Rankings

Defining Champlain's Carbon Footprint



Scope 1 – Direct GHGs

- On-Campus
 Stationary
 Combustion (Natural Gas)
- Vehicle Fleet Fuel
- Refrigerants

Scope 2 – Upstream GHGs

Purchased Electricity

Scope 3 – Indirect GHGs

- Faculty/Staff/ Student Commuting
- Directly Financed Air Travel
- Study Abroad
- Solid Waste
- Paper
- Transmission &
 Distribution Losses

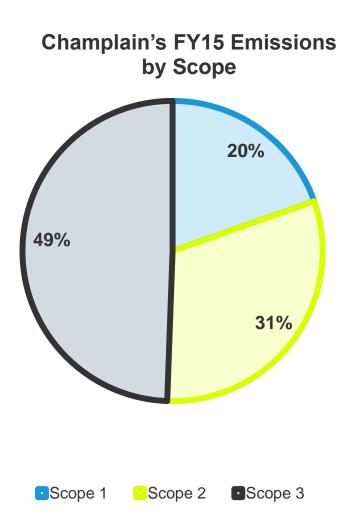
Increasingly Difficult to Control and/or Mitigate

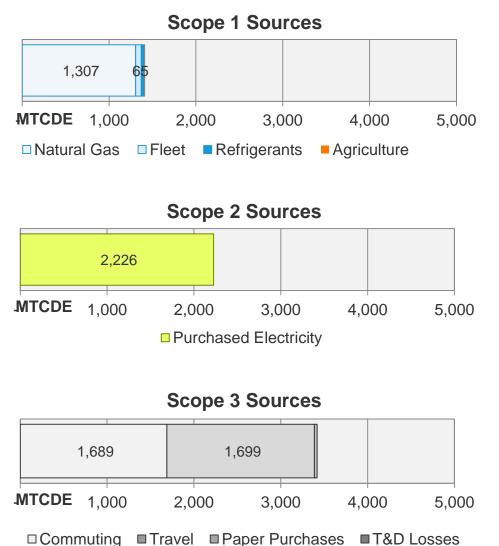


Distribution of GHGs by Scope and Source



Challenging profile given lack of direct control over most GHGs sources



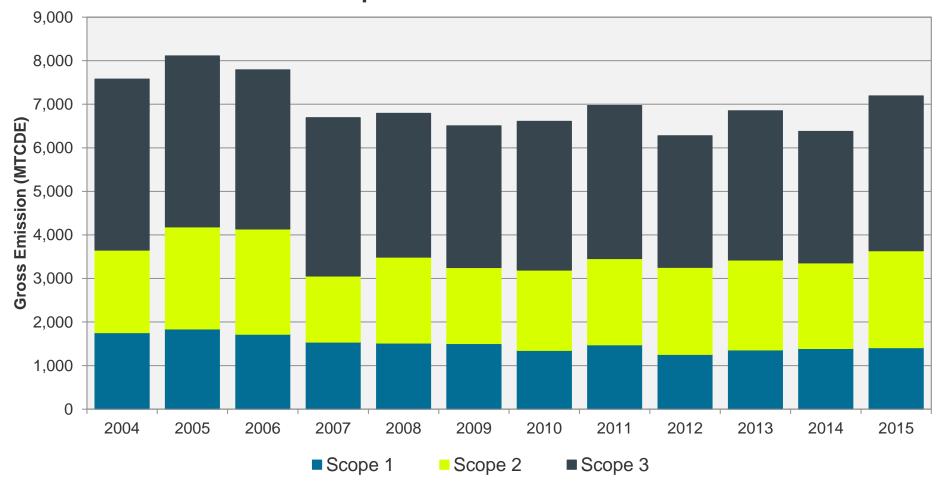




Champlain's GHG Inventory 2004-2015



Champlain's Gross Emissions



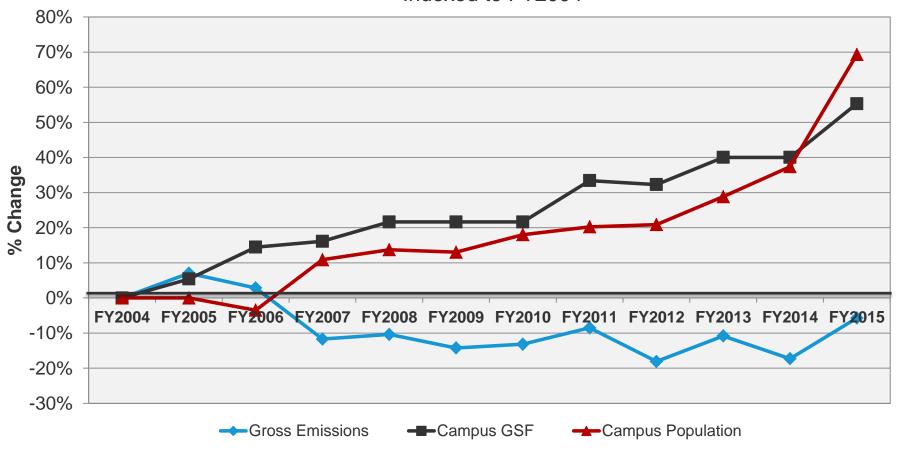


Change in GHGs Relative to Campus Growth



Champlain's performance is quite impressive in context of growth

Change in Emissions vs. Change in Campus Size and Population Indexed to FY2004

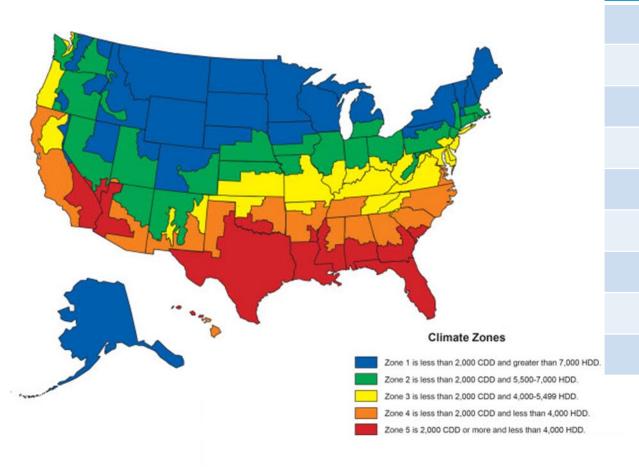




Peer institutions for Champlain



Using the same peer group as FY2014 analysis



Go-Green Peer Institutions

Babson College

Bentley University

Boston College

Carleton College

Hamilton College

Hampshire College

Siena College

University of Vermont

Wesleyan University

Peer Group Based On

- Size
- Technical Complexity
- Climate Zone



Two ways to benchmark against peers

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Per student and per 1k GSF normalization show emissions differently

GHG Emissions per Student



Stresses efficient use of space.

Gross GHG Emissions
Total Student FTE

GHG Emissions per 1,000 GSF



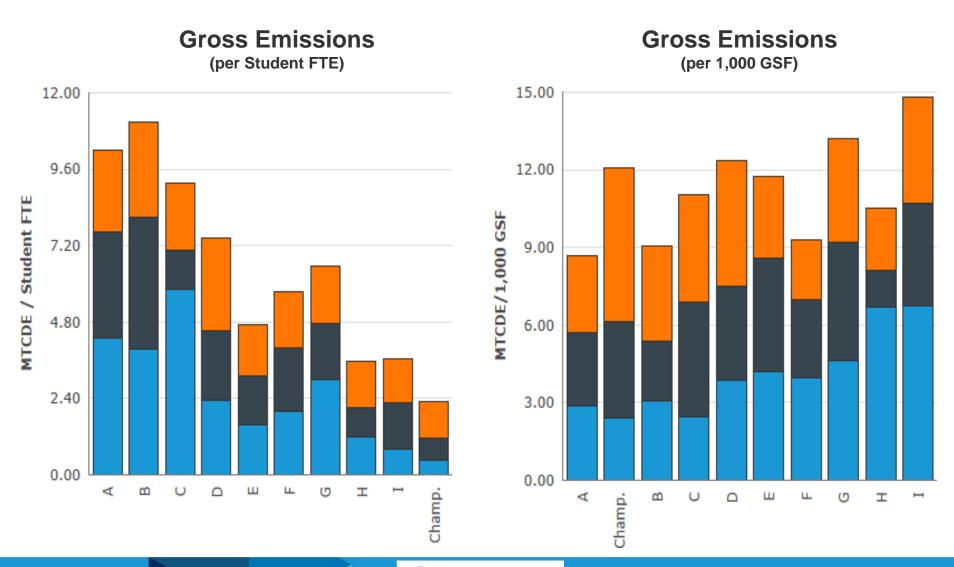
Stresses intensity of operations and commuting.

Gross GHG Emissions
Total GSF in Footprint X 1,000



Comparing Champlain to Other Institutions









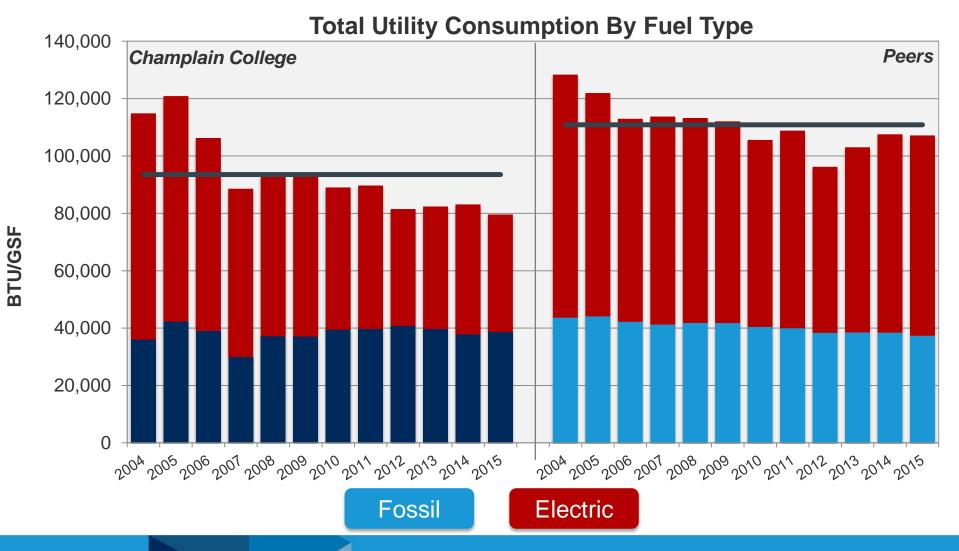


Energy Trends

Energy Consumption vs. Peers



Major strides made over the last 10 years



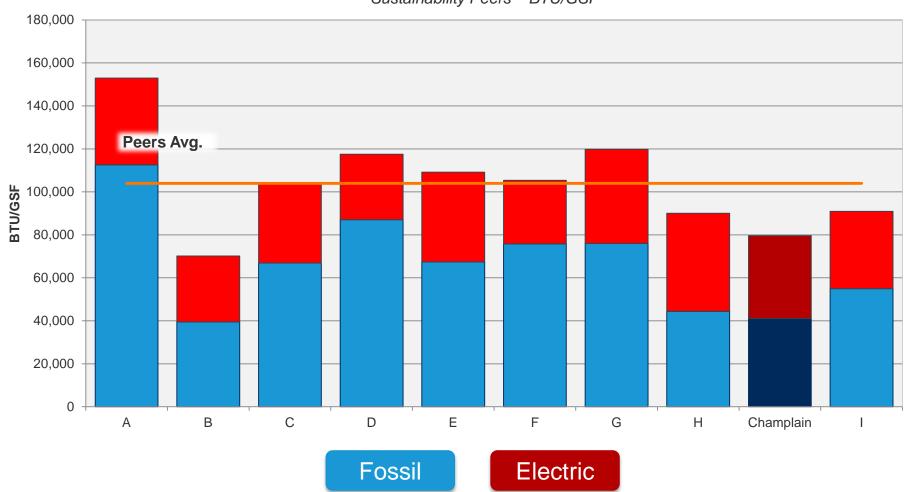


Energy Consumption Lower Than Peers





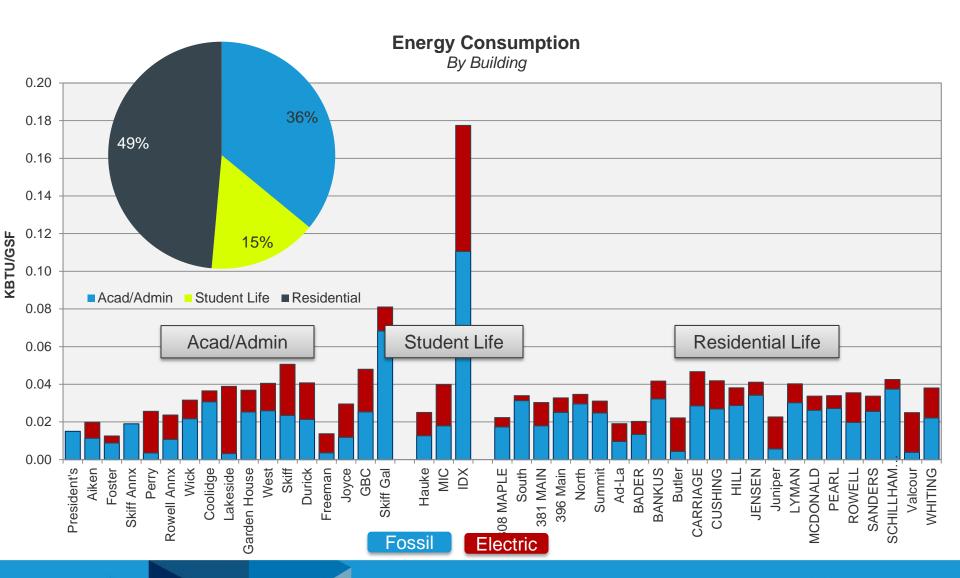
Sustainability Peers - BTU/GSF





Energy Consumption by Building









Questions & Discussion