

GHGs | 2020-21 Summary

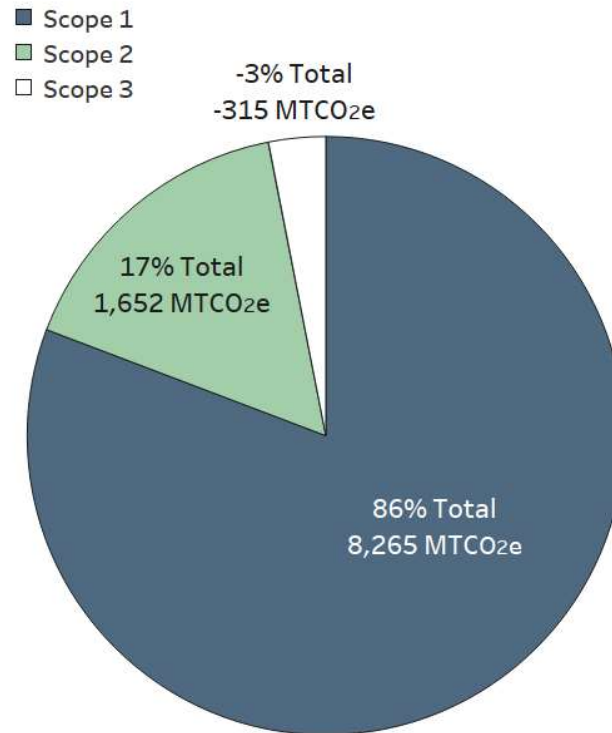


Bowdoin recorded **9,602 MTCO_{2e}** in FY21.

Onsite fuel combustion tied to **80% of total emissions**, driven by winter heating demand.

Lowest annual emissions reported for purchased grid electricity, college air travel, & employee commute.

Emissions Breakdown by Scope & College Source



Scope	Emissions Source	Metric Tons CO _{2e}
Scope 1	Natural Gas Combustion	7,580.2
	Liquid Fuel Combustion	127.7
	College Vehicle Use	254.6
	Fugitive Refrigerants	302.7
Scope 2	Purchased Grid Electricity	1,651.7
Scope 3	College Air Travel	47.1
	Employee Commute	444.2
	Transmission Line Losses	99.1
	Waste Management	-905.7
Total FY 2021 Emissions:		9,601.6

GHGs | Historical Emissions Trends

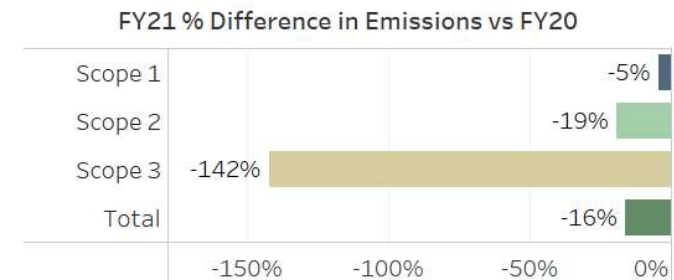
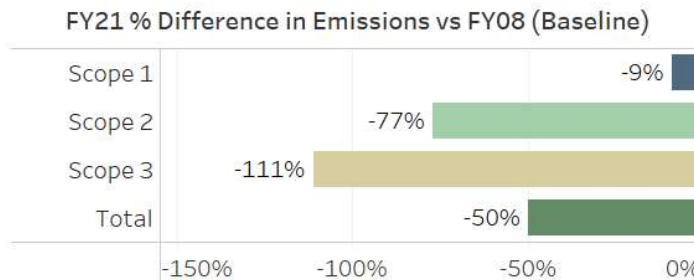
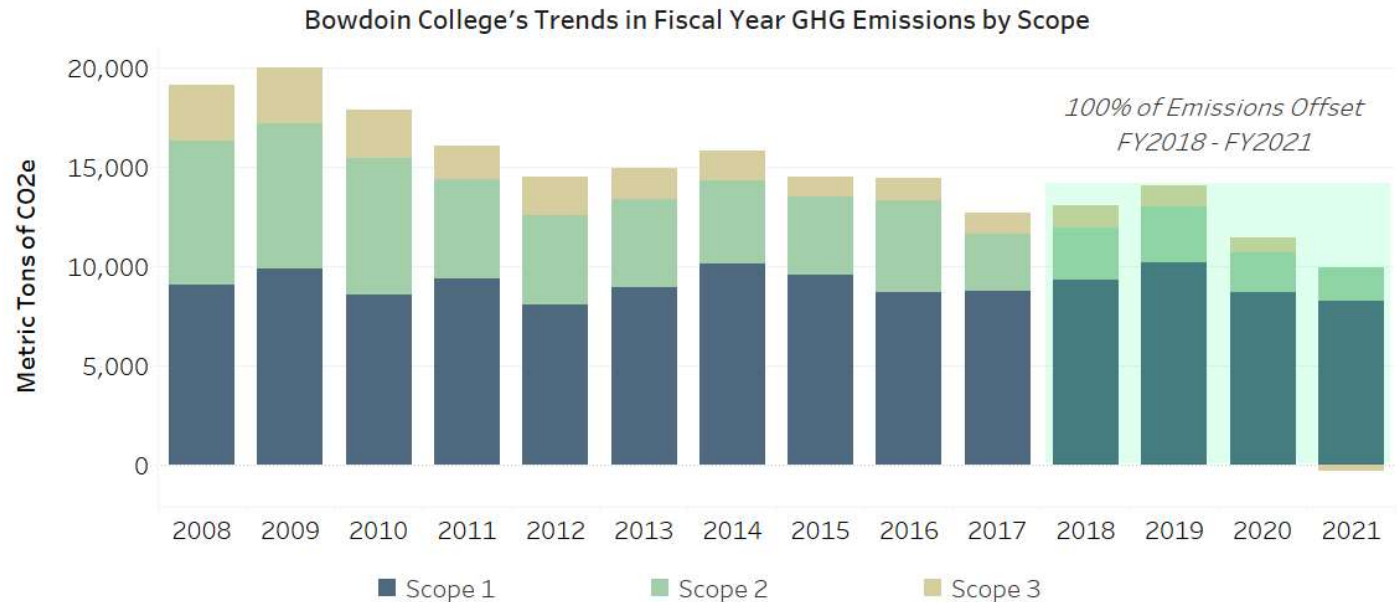


Total emissions in FY21 were Bowdoin's lowest recorded since tracking began in 2008.

Scope 1: tied to campus heating demand

Scope 2: trending downward with added renewables on power grid

Scope 3: trending downward with reduced travel during COVID-19



GHGs | Historical Emissions Trends



Apart from emissions associated with fugitive refrigerants, emissions are down both year-over-year & against the FY08 baseline across all categories in 2020-21.

Drivers:

- Reduced Fuel Consumption
- Cleaner Electric Grid
- COVID Impact on College Travel

