



HOW HEATING STARTS-UP EACH FALL AT CARLETON UNIVERSITY



1 IT STARTS AT THE CENTRAL HEATING PLANT

Here, steam is generated to heat buildings across campus.



2 COGENERATION PLANT POWERS OUR CAMPUS

The cogeneration plant produces 40% of the electricity used on campus.

40%

OF ELECTRICITY
USED ON CAMPUS



3 WASTE HEAT IS RECOVERED AND USED FOR HEATING

Instead of waste, the heat from electricity production is captured to make steam for our buildings.

ELECTRICITY
GENERATION



WASTE HEAT
RECOVERED



STEAM
FOR HEATING



4 STEAM TRAVELS THROUGH CAMPUS

Steam is distributed through a network of insulated pipes in the service tunnels to most buildings on campus.



5 FMP GETS CAMPUS READY FOR HEATING SEASON

Each year, the team from Facilities Management and Planning (FMP) work hard to shutdown cooling systems and turn on the heating systems.



WE KEEP CARLETON COMFORTABLE
ALL YEAR LONG!

6 WE START IN HOUSING AND RESEARCH BUILDINGS

In early October, FMP starts with the housing and research buildings and critical research spaces.



HOUSING
BUILDINGS



RESEARCH
BUILDINGS

EARLY OCTOBER



7 OVER 2 WEEKS, THE TEAM WORKS THROUGH CAMPUS TO START-UP HEATING IN ALL BUILDING



8 OUR GOAL: A WARM AND COMFORTABLE CAMPUS

Thanks to careful planning and teamwork, all buildings are ready for the season ahead.



POWERING OUR CAMPUS.

SUPPORTING SUSTAINABILITY.

BUILDING COMMUNITY.