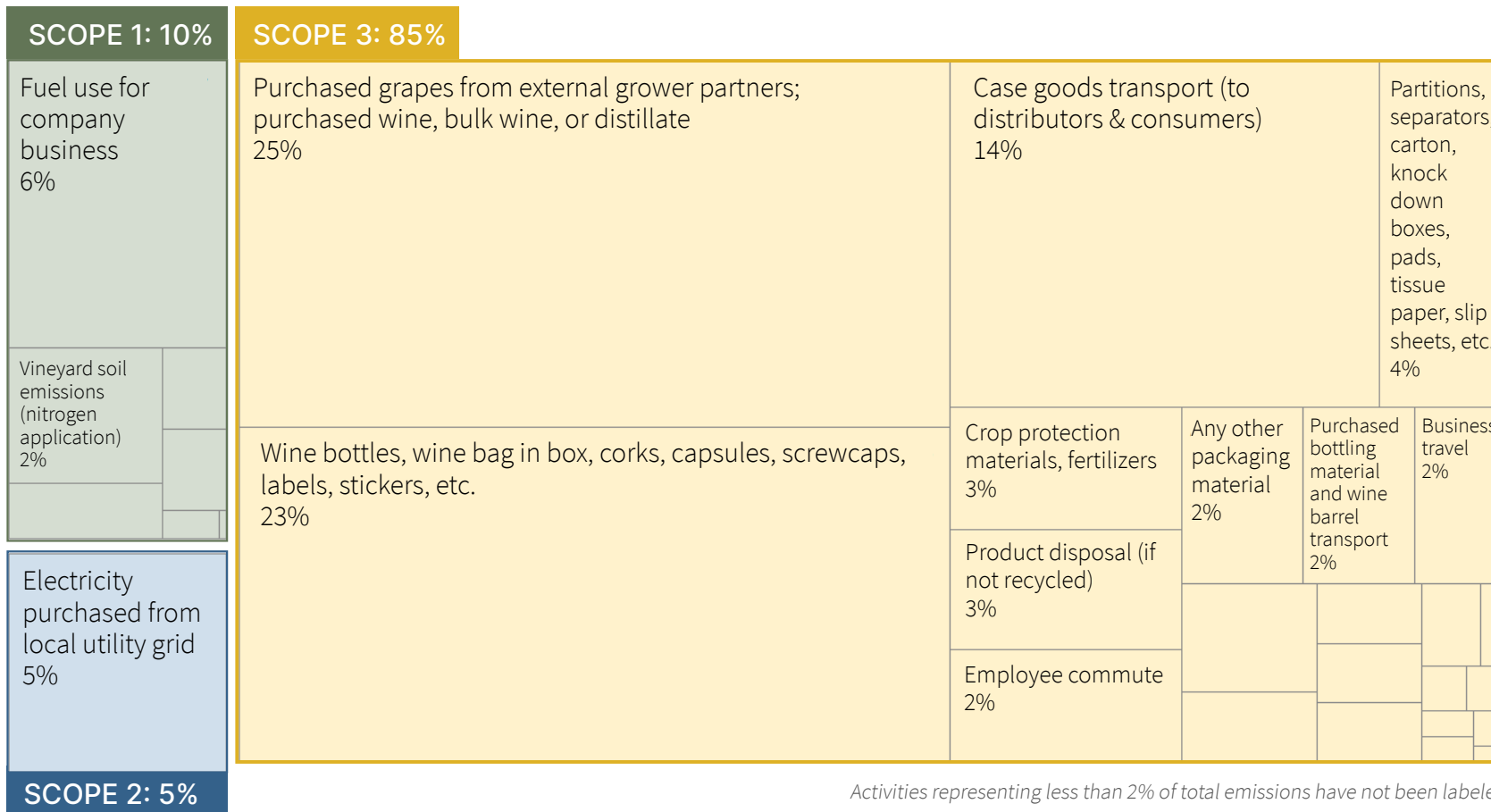


# Greenhouse Gas Emissions (GHG) “Hotspots”



**Where do GHG emissions come from in the wine value chain?** Shown below is a proportional breakdown of GHG emissions by category in the wine value chain. Averages are calculated from 23 IWCA member wineries’ baseline GHG inventory data, which have been third-party audited and adhere to ISO-14064 standards.



**SCOPE 1:** Direct emissions from activities under a company’s control

**SCOPE 2:** Indirect emissions related to a company’s purchase of electricity, steam, heat, or cooling

**SCOPE 3:** Indirect emissions derived from the company’s activity: that is, any emissions not under the direct responsibility of the firm that are spread across the company’s value chain

*Activities representing less than 2% of total emissions have not been labeled.*