

# CBC emissions in 2020/21 - A breakdown

Emissions within our Net Zero target

# Where do our emissions come from?



**Gas  
consumption in  
our buildings**



**Electricity  
consumption in  
our buildings**



**Fuel  
consumption –  
Council Fleet,  
staff commuting  
and business  
travel carried out  
by staff (e.g. for  
meetings and  
site visits)**

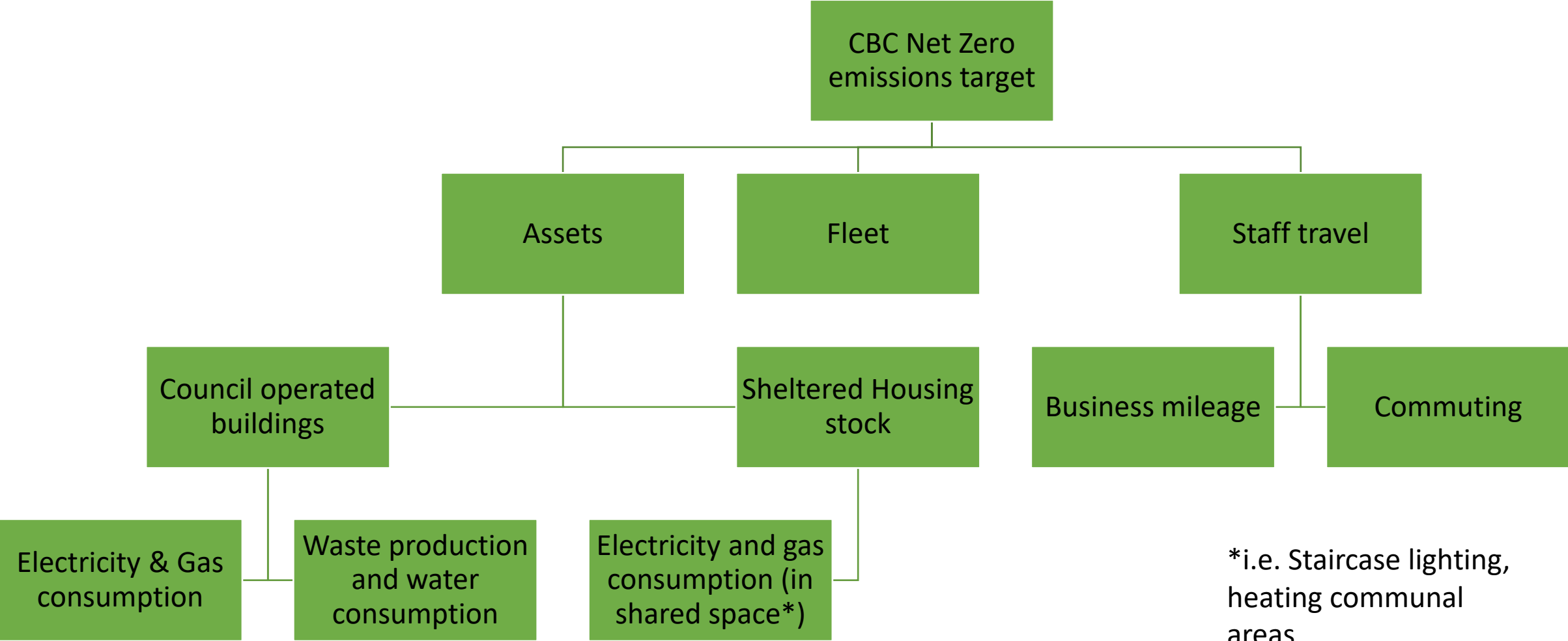


**Water consumed  
in Council  
buildings–  
Emissions  
involved in  
treatment and  
distribution of  
water consumed**

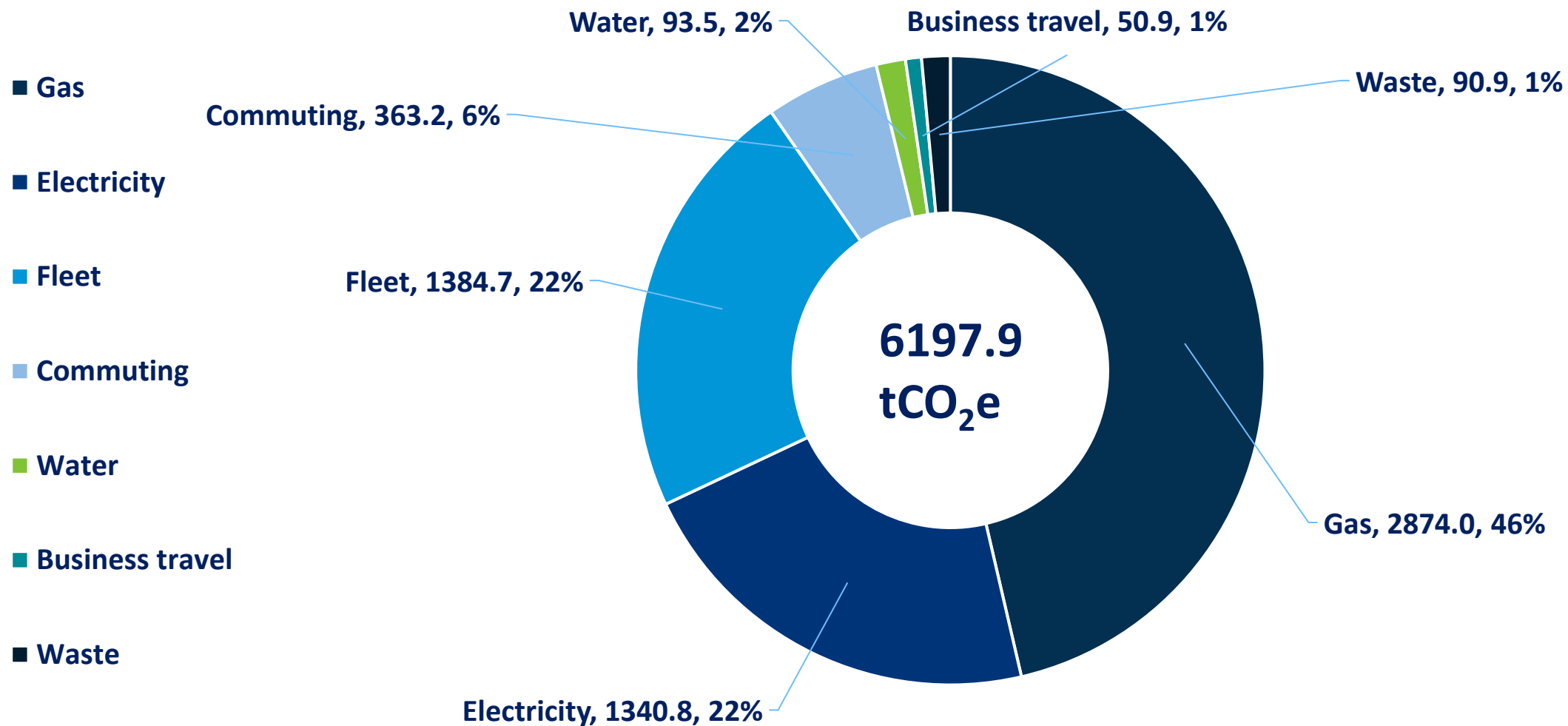


**Waste produced  
from Council  
buildings –  
Emissions  
involved in  
transportation of  
waste produced  
and disposal  
(latter only for  
landfill)**

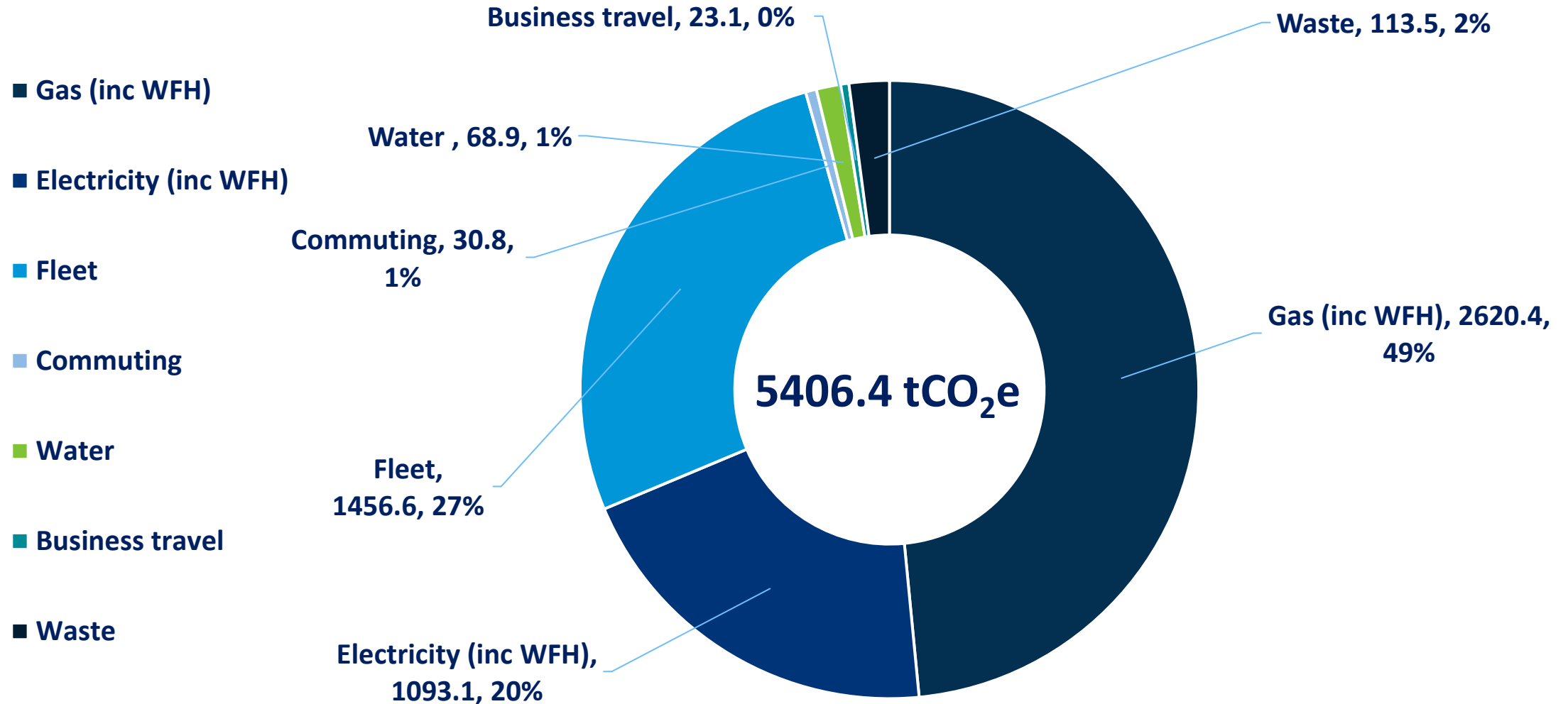
# Breakdown of Council Emissions



# 2019/20 emissions – 6197.9 tCO<sub>2</sub>e



# 2020/21 Emissions – 5406.4 tCO<sub>2</sub>e



# Emission change between 19/20 and 20/21

Overall emissions decrease of 791.5 tCO<sub>2</sub>e (12.8% decrease)

Emission Source	2019/20	2020/21
Gas	2874.0	2620.4 (8.8% decrease since 19/20)
Electricity	1340.8	1093.1 (18.5% decrease since 19/20)
Fleet	1384.7	1456.6 (5.2% increase since 19/20)
Commuting	363.2	30.8 (91.5% decrease since 19/20)
Water	93.5	68.9 (26.3% decrease since 19/20)
Business travel	50.9	23.1 (54.6% decrease since 19/20)
Waste	90.9	113.5 (24.9% increase since 19/20)
<b>Total</b>	<b>6197.9</b>	<b>5406.4</b> (12.8% decrease since 19/20)

# Consumption change between 19/20 and 20/21

Emission source	19/20			20/21		
Gas	15,632,326 kWh			12,696,627 kWh - Council	1,554,872 kWh - WFH	<b>14,251,499 kWh - Total</b>
Electricity	5,245,734 kWh			4,822,499 kWh - Council	78472 kWh - WFH	<b>4,900,971 kWh - Total</b>
Fleet	434,281 litres	234,691 miles		571,860 litres		
Commuting	1,573,568 ICE car miles	76,636 bus miles	159,160 train miles	87,543 ICE car miles	203 bus miles	5,447 train miles
Water	88,880 m <sup>3</sup>			67750 m <sup>3</sup>		
Business travel	140,956 ICE car miles		217 EV miles	66,194 ICE car miles	335 hybrid car miles	213 EV miles
Waste	1,041,846 kg			302,960 kg		

# Findings

Biggest decreases were in staff travel – less travelling to office/for work

Emissions from gas/electricity decreased but impacted by increases in consumption associated with WFH

Fleet emissions increase – All vehicles travelling further (other than RCVs)

Waste emissions increase – Change in BEIS emission factor for landfill – Not an increase in waste



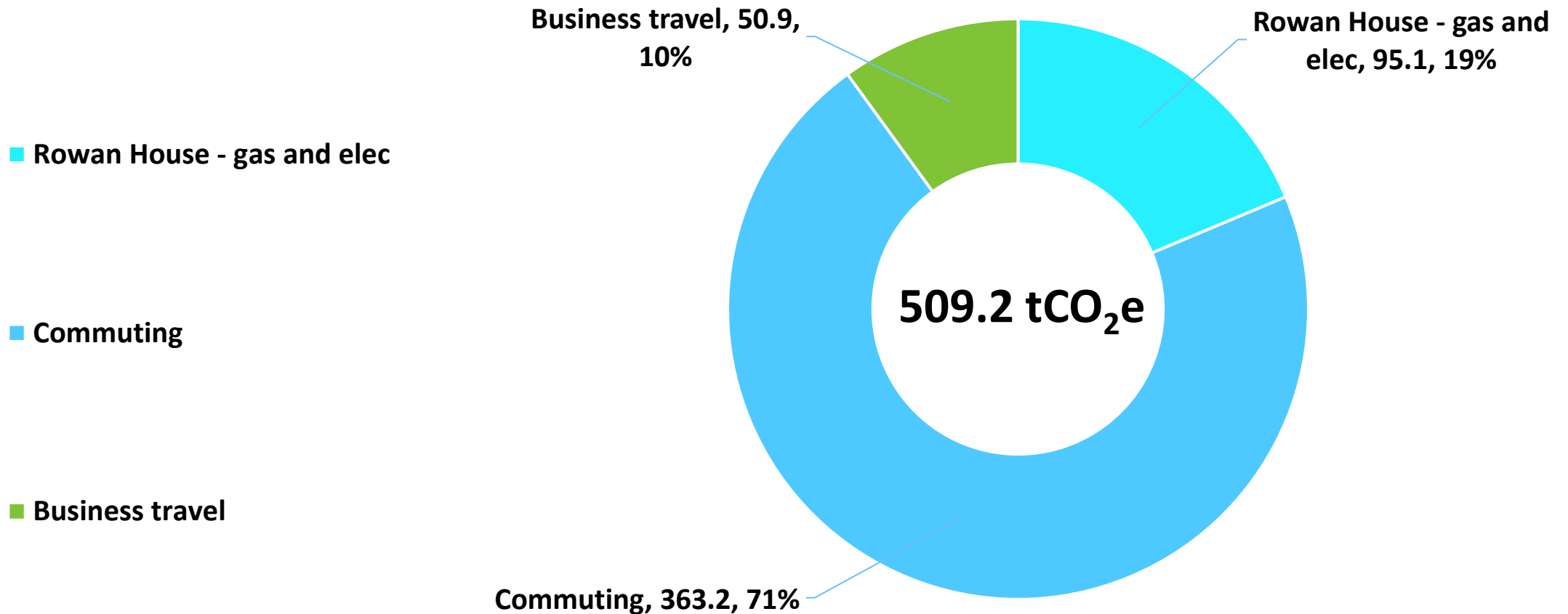
# Working from Home (WFH)

Used EcoAct methodology to calculate – Average usage of lighting, heating and electricity usage of office devices in homes provided

Information refined from staff survey (233 responses) – To understand:

- Appliances/devices they used to work
- Hours they worked
- Home working arrangements – e.g. Were they or a partner at home during working hours before pandemic?

# Emissions in 19/20 – 509.2 tCO<sub>2</sub>e – Staff office working



# Impact of WFH in 2020/21 on staff working and emissions

