

Guildford Borough Council

Climate Change Board

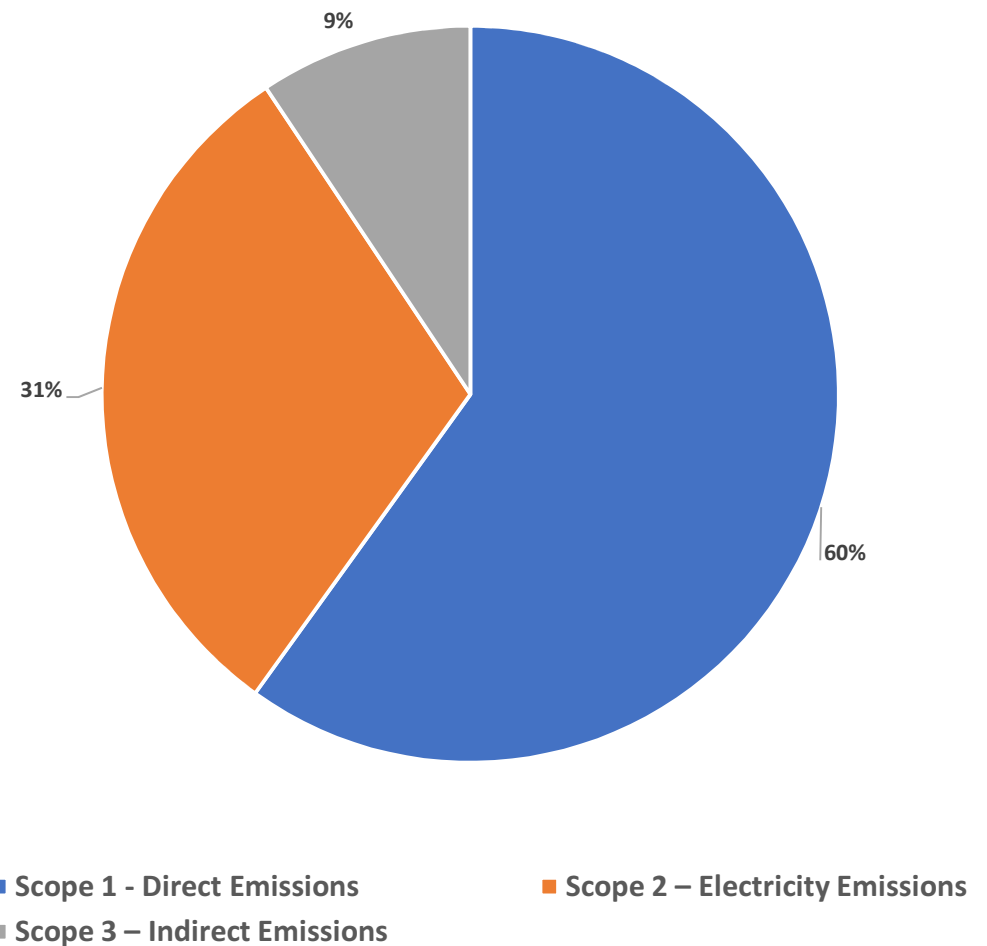
2019-20 Green House Gas emissions: high-level findings

10/12/2020

Gross GHG Emissions

- **Scope 1** (gas and fuel use):
5162 tCO₂e
- **Scope 2** (imported elec):
2646 tCO₂e
- **Scope 3** (indirect emissions):
806 tCO₂e
- **Total Gross Emissions:**
8613 tCO₂e

GBC 2019-20 GHG emissions by proportion

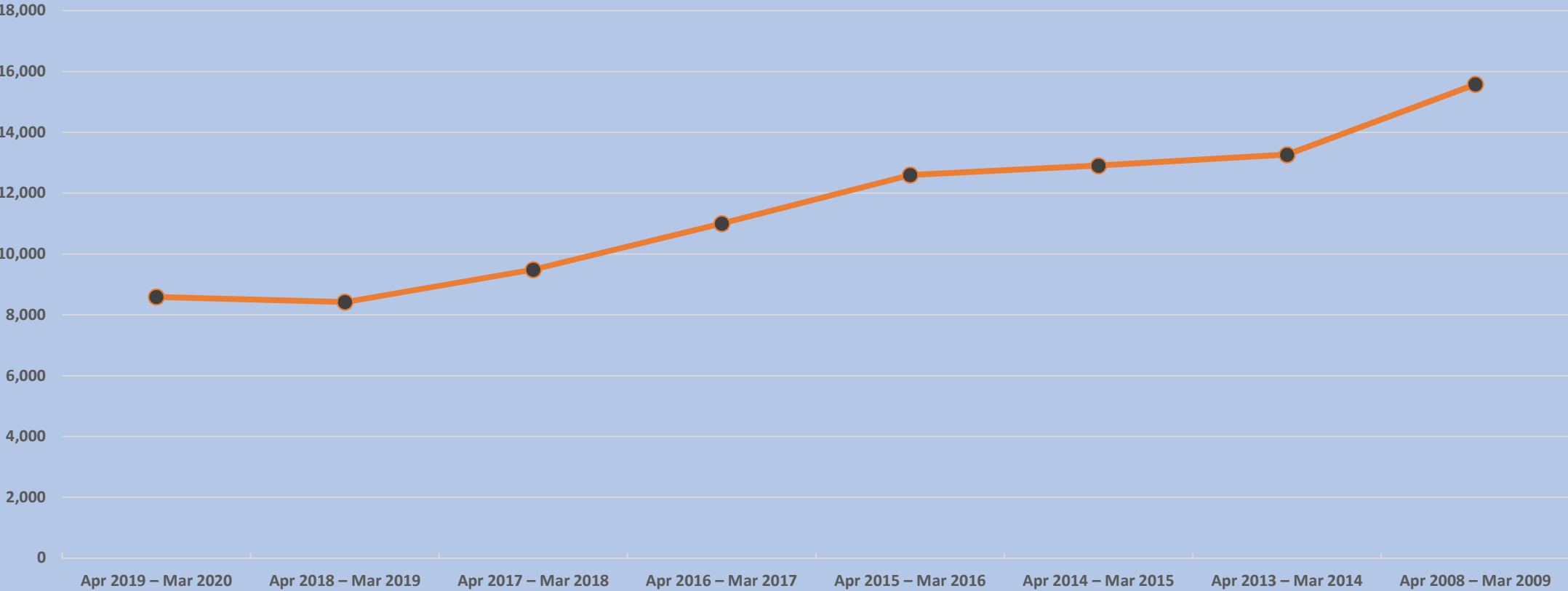


Net GHG Emissions

- **Offsetting** our emissions is some renewable generation that is exported.
- This is from GBC solar installations (which are not used on-site), and the Wey river hydro.
- **Total: 27 tCO₂e**
- **Total net emissions: 8613 – 27 = 8586 tCO₂e**

Net GHG Emissions trend

Total Net Emissions

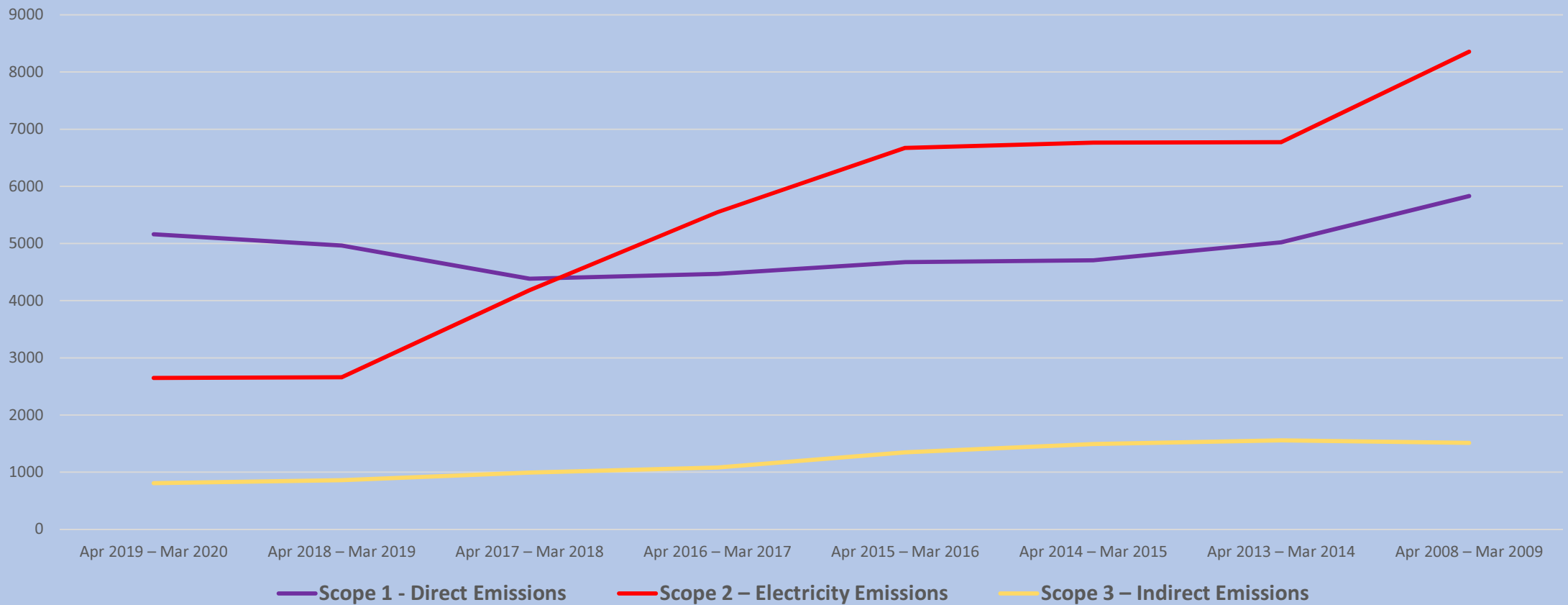


Relative to
previous years

	Latest	Previous Year	Baseline Year
	Apr 2019 – Mar 2020	Apr 2018 – Mar 2019	Apr 2008 – Mar 2009
Scope 1	5162	4963	5829
Scope 2	2646	2660	8355
Scope 3	806	859	1511
Carbon offset	27	65	119
Total net emissions	8586	8417	15576
Percentage reduction vs Baseline year	45%	46%	
Percentage reduction vs Previous year	-2%		

Change in scope emissions over time

Change in Scope emissions over time (tCO₂e)



Energy consumption

Energy	Apr 2019 – Mar 2020	Apr 2018 – Mar 2019	Change (%)
Total electricity kWh	10,350,984	9,396,811	10%
Total gas kWh	19,617,366	18,374,817	7%

- Emissions almost same as last year, impact of increased consumption softened by decrease in carbon intensity of the grid.
- Natural Gas consumption increased 7%, this led to a 4% increase in gas transmission emissions which combine total 250tCO₂e
- NB. Fleet emissions marginally lower than previous year

NEXT

- In-depth emissions report with some site-specific analysis
- Understand the footprint of different Council activities
- Improve our monitoring and reporting of energy consumption and GHG emissions
- Council Net Zero Trajectory Report