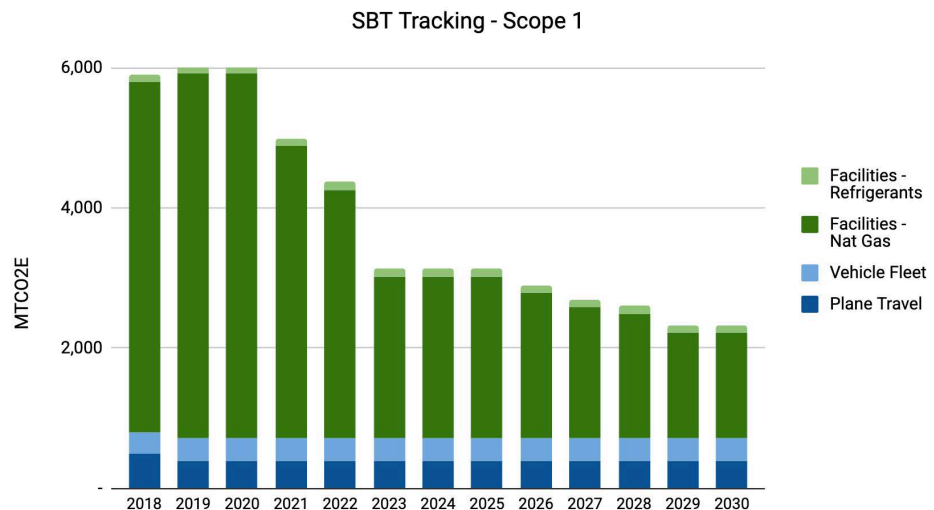## Science-Based Targets: GHG Forecasts

Under "science-based targets" (SBTs), companies voluntarily set dramatic greenhouse gas emission reduction goals for the next 5 to 15 years, as a reflection of the dramatic global emissions reductions that need to happen over the next 15 and 30 years. These are bold targets and companies need some level of assurance that they can actually hit those targets.

Climate Positive staff helped a team at a natural foods company explore SBTs. Tasks include:

- Apply life-cycle analyses to quantify Scope 3 emissions
- Identify Scope 1, 2 and 3 GHG reduction measures to help hit targets
- Construct a model that allows forecast of emissions over time, incorporating expected Scope 1 & 2 reductions by year as projected by the engineering team, and Scope 3 supply chain interventions. The model allows for selection of multiple measures to affect a given portion of the GHG inventory and allows for adjustment of assumptions (e.g. 3% or 5% reduction per year)
- Work with the internal leadership team to coordinate and educate other departments
- Come to collective agreement on reduction targets

Work was completed in August 2020. Client accepted recommended targets and is working through project prioritization and investment.

Science-Based Targets: Investment Plan

A crucial part of hitting SBTs is planning out projects and investments to hit the goal. Climate Positive staff helped teams at an electronic equipment company, a natural products company and a large food processor explore what financing is required to achieve their SBT ambitions.

Tasks included:

- Review Scope 1 + 2 inventory results
- Create high-level investment plan to achieve goal, looking at the potential of efficiency, on-site renewables, RECs, and offsets to meet goals. This included calculating the upfront investment costs as well as the payback over time.
- Create a presentation of results