



## Further detail

Key projects to date have included purchasing Renewable Electricity (RE) from the grid (we utilize greater than 90% RE across all operations), installing >1.8MW of solar photovoltaic (PV) systems across 16 site locations, and continued implementation of our ALS Green Building Standards, which focus on HVAC systems, building insulation, LED lights, energy efficient plant and equipment, moving to electric vehicles (EVs), and staff engagement on adopting climate friendly practices to reduce actual energy demand.

This ALS Net Zero commitment will involve reducing absolute scope 1 and 2 emissions by 95% and scope 3 emissions by 90% by 2050, against a 2020 baseline year. This is a challenging task for laboratory operations given requirements for chemical, plastic, and glassware usage, and significant air heating and cooling requirements due to fume hoods which cause frequent cycling of laboratory air.

The ALS Roadmap includes a near-term target to reduce absolute scope 1 and 2 greenhouse gas emissions by 78% by 2030 against a 2020 baseline year.

Over the next 2 years ALS will measure our scope 3 greenhouse gas inventory to confirm the calculated scope 3 estimate completed in FY2023 and will develop action plans for freight, purchased goods/services, wastes, and employee commutes. A near-term target for 2030 for scope 3 will then be set.

Priority actions over the next 5 years will include:

- purchasing renewable electricity for >95% of our operations
- installing further solar energy PV systems (7 more installed YTD for FY24 with a further 9 systems to be completed in early FY25)
- converting gas ovens and furnaces to electric where possible
- selection of more energy-efficient vehicles; 30% of fleet to be hybrids and EVs by 2030
- upgrading to ALS green building guidelines for new laboratory developments and refurbishments (better insulation, more efficient HVAC, solar PV systems, and upgraded building management systems)

**We are pleased to share our commitments with our stakeholders. Please feel free to contact your local ALS representative for further information.**

