

Pathway 4: Carbon Capture & Nature- Based Solutions

This pathway imagines a future where we cost-effectively remove carbon from the atmosphere using innovative technology and nature-based solutions that cultivate a healthier city.

Progress of Goals

Goal: Edmonton is full of nature, to support healthy people, emissions reductions, communities and carbon sequestration

The City promotes investment in natural carbon storage, ecosystem conservation and restoration and the acceleration of nature based solutions to achieve climate resilience goals. Examples of initiatives include:

- [North Saskatchewan River Valley Area Redevelopment Plan \(bylaw 20996\)](#) and [Ribbon of Green](#) that support conservation and restoration of ecosystems and natural assets.
- [Urban Forest Asset Management Plan](#) that outlines the strategy to achieve the targets of planting two million trees by 2030 to achieve 20% canopy cover by 2071.
- [Natural Asset Inventory \(2022\)](#) that catalogs natural assets.
- Operational [naturalization and restoration projects](#) that contribute to a healthy, climate-resilient ecosystems.

The graph to the right tracks the number of boulevard and open space trees planted by the City.

Goal: Expand carbon technology investment/opportunities and business in the Edmonton Metropolitan Region

The City promotes carbon capture economic opportunities. Examples of initiatives include:

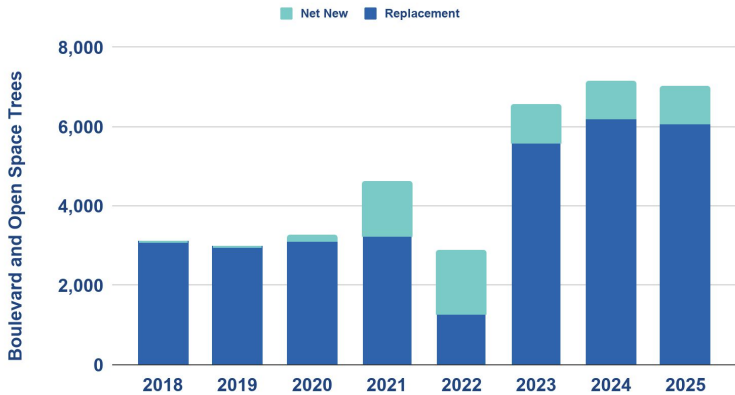
- The [Industrial Carbon Capture Facility Tax Incentive](#) that attracts investment in carbon capture technology and supports Edmonton's [Industrial Investment Action Plan](#).

Goal: Edmonton cares for future generations by offsetting remaining emissions

The City explores and tracks opportunities for offsetting. Examples of initiatives include:

- External policy scanning that to identify opportunities for future pathways for large-scale offsetting.
- Long term energy contracts that provide renewable attributes to offset 100% of the electricity used by the City's civic operations.

Total Number of Boulevard and Open Space Trees Planted



Trees in
Natural
Areas

Since 2021, in addition to boulevard and open space trees more than 800,000 native species trees have been planted in naturalized areas.