

# AUCKLAND NOW



Forestry and planting programmes play an important role in mitigating climate change - actively removing carbon dioxide (approximately 956ktCO<sub>2</sub>e in 2009) from the atmosphere.

6%

Almost 6 per cent of Auckland's GHG emissions come from agriculture.

27%

27 per cent of Auckland's soils are classified as either elite or prime land - although a lot of this soil resource is being lost due to urbanisation.

70%

of Auckland region consists of coastal waters - of which we have limited understanding of its role in carbon sequestration.

60,000 ha

native forest

22,500 ha

saltwater wetlands

60,000 ha

shrubland

85,000

trees are planted (8.5ha) each year on Auckland's regional park network.

800 ha

freshwater wetlands

## Transforming forestry, agriculture and natural carbon assets

**Growing the extent of urban and regional forests**

**Turning forest and organic residue into energy**

**Enhancing local food production**

**Exploring marine sequestration potential**



Expand our existing network of tree-based ecological corridors.



Establish pilot plants to generate energy using forest and other organic residues.



Understand Auckland's local food capacity and how we could become more self sufficient.



Recognise the value of coastal and marine ecosystems in mitigating climate change.



Protect saline ecosystems and coastal areas.



Replace coal-fired boilers in schools with wood-chip boilers.



Promote sustainable agriculture practices.



Protect and enhance our coastal and marine areas.



Establish local eco-sourced nurseries.



Promote composting and the preservation of healthy soil.



Improve how we manage undeveloped land to sequester carbon.



Expand urban agriculture.



Make healthy and affordable foods more accessible.

# AUCKLAND 2040

50%



increase in carbon sequestration (compared with 2014 levels) by planting ecological corridors.

20%

Energy sourced for Auckland is generated from local biomass (excluding municipal bio-solids).

-40%

Reduction in energy and water use intensity across Auckland.

Auckland's soils classified as either elite or prime land are protected.