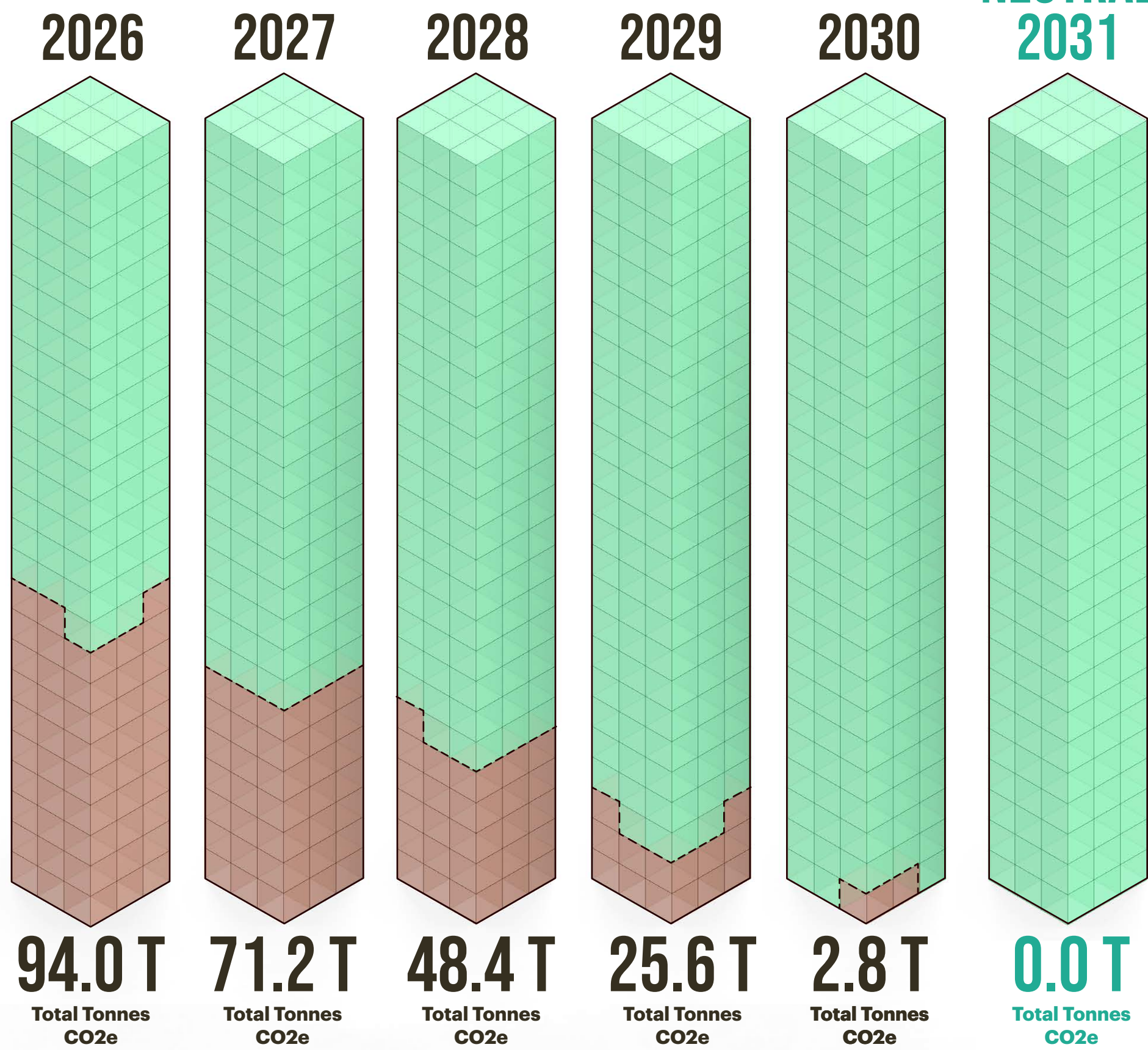


REGENERATIVE LANDSCAPE



CO₂ SEQUESTRATION POTENTIAL: WITH 6.195 HECTARE LAND-USE CONVERSION OF NATIVE VEGETATION FROM CONVENTIONAL AGRICULTURAL CULTIVATION UNTIL SOIL SEQUESTRATION CAPACITY EQUILIBRIUM (20 YEARS)

-12.3 T
SEQUESTERED TONNES CO₂e PER YEAR

CO₂ EMISSIONS AVOIDED: WITH 6.195 HECTARE LAND-USE CONVERSION OF NATIVE VEGETATION FROM CONVENTIONAL AGRICULTURAL CULTIVATION OVER LIFE OF BUILDING (20 YEARS)

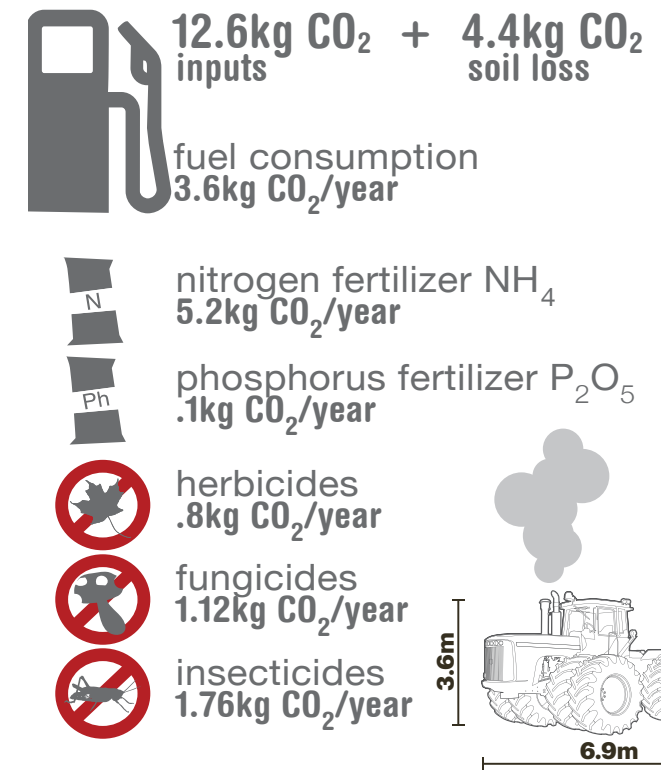
-10.5 T
EMISSIONS AVOIDED TONNES CO₂e PER YEAR

61,590m² (6.195 HA)
LAND CONVERSION AREA

CARBON NEUTRAL 2031

17.0 kg CO₂e per 100m²/year

CONVENTIONAL AGRICULTURAL CROP LAND USE EMISSIONS

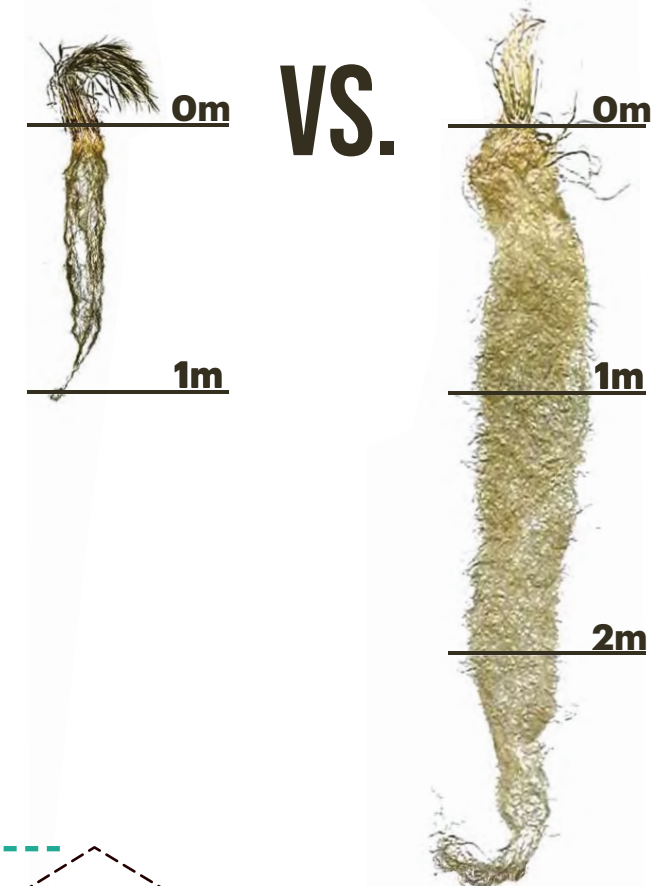


Sources:

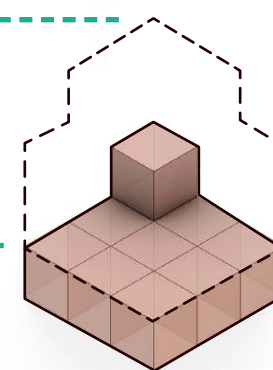
- Calculations based on regional average Carbon kg inputs per 100m²
- C-based input Carbon kg (Lal, R. 2004. Soil Carbon Sequestration Impacts on Global Climate Change and Food Security, Science, 304, no. 5677: 1623-1627.)
- Average soil C-emissions per 100m² for Indian Head area (Natural Resources Canada, 1990)

-20.0 kg CO₂e per 100m²/year

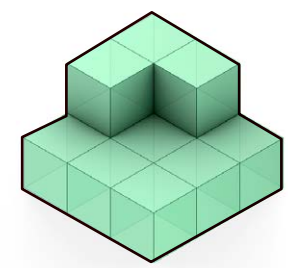
CONVERSION TO PERENNIAL VEGETATION PLANTINGS



-22.8 T
TOTAL EMISSIONS SEQUESTERED & AVOIDED WITH 6.195 HECTARES OF LAND USE CHANGE FROM CONVENTIONAL AGRICULTURAL CROPPING SYSTEM TO PERENNIAL GRASSES TONNES CO₂e PER YEAR



10.5 T
TOTAL TONNES CO₂e EMISSIONS



-12.3 T
TOTAL TONNES CO₂e SEQUESTERED

