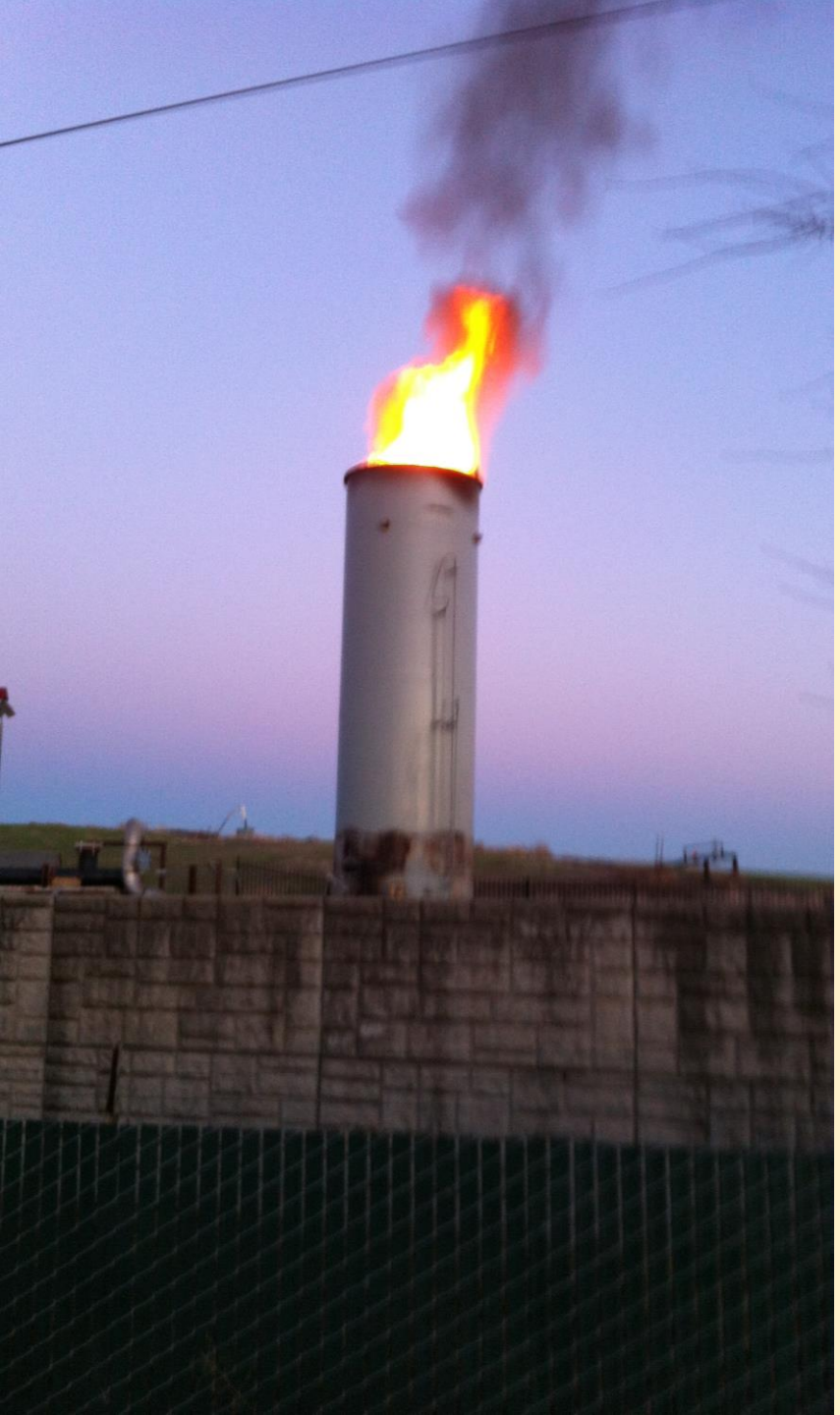
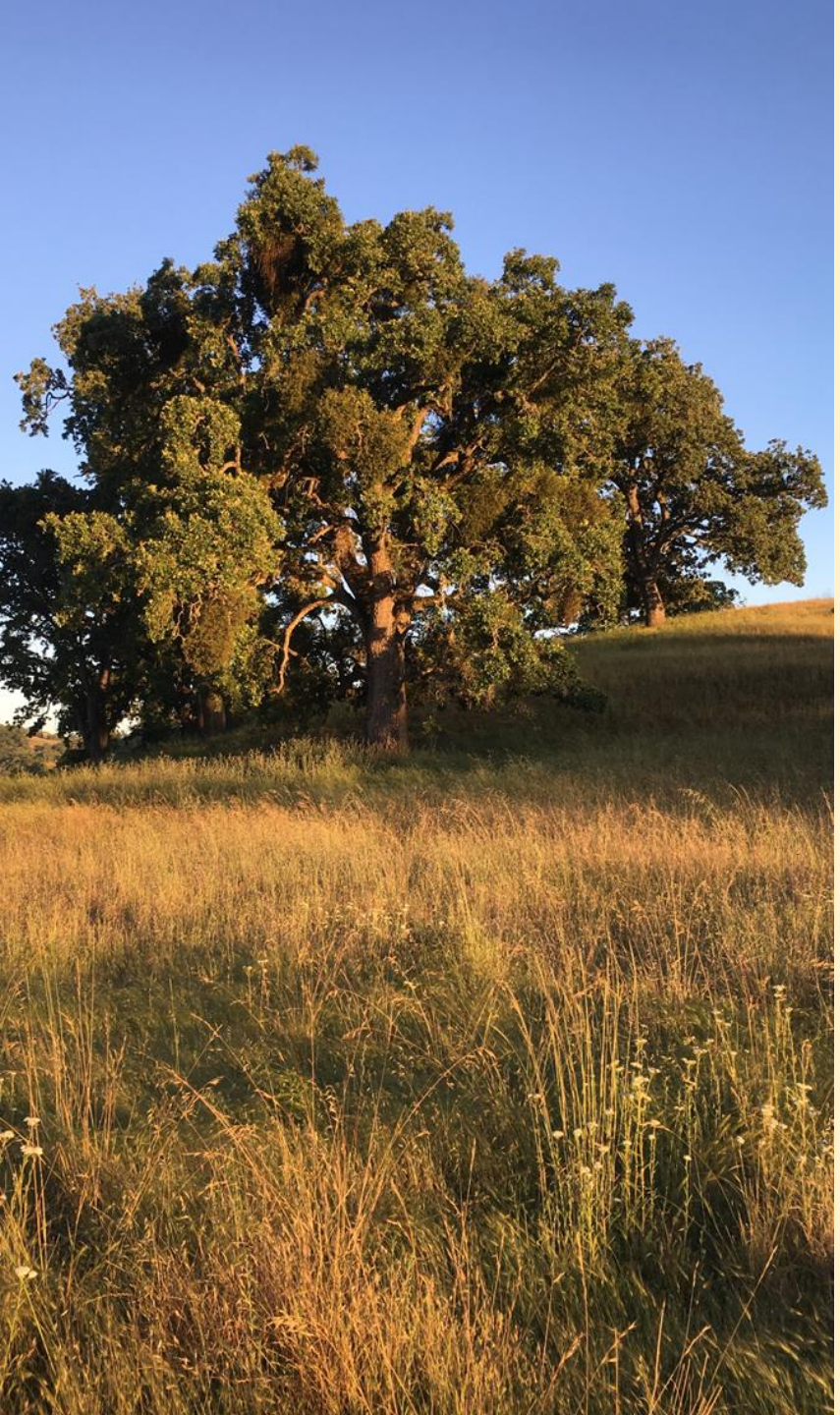
Carbon Neutral Committee Update

December 2023



Today's Update

- Status of Work
- Overview of Draft Preliminary Inventory of GHG Emissions
- Contents of Memorandum Being Developed



Status of Work

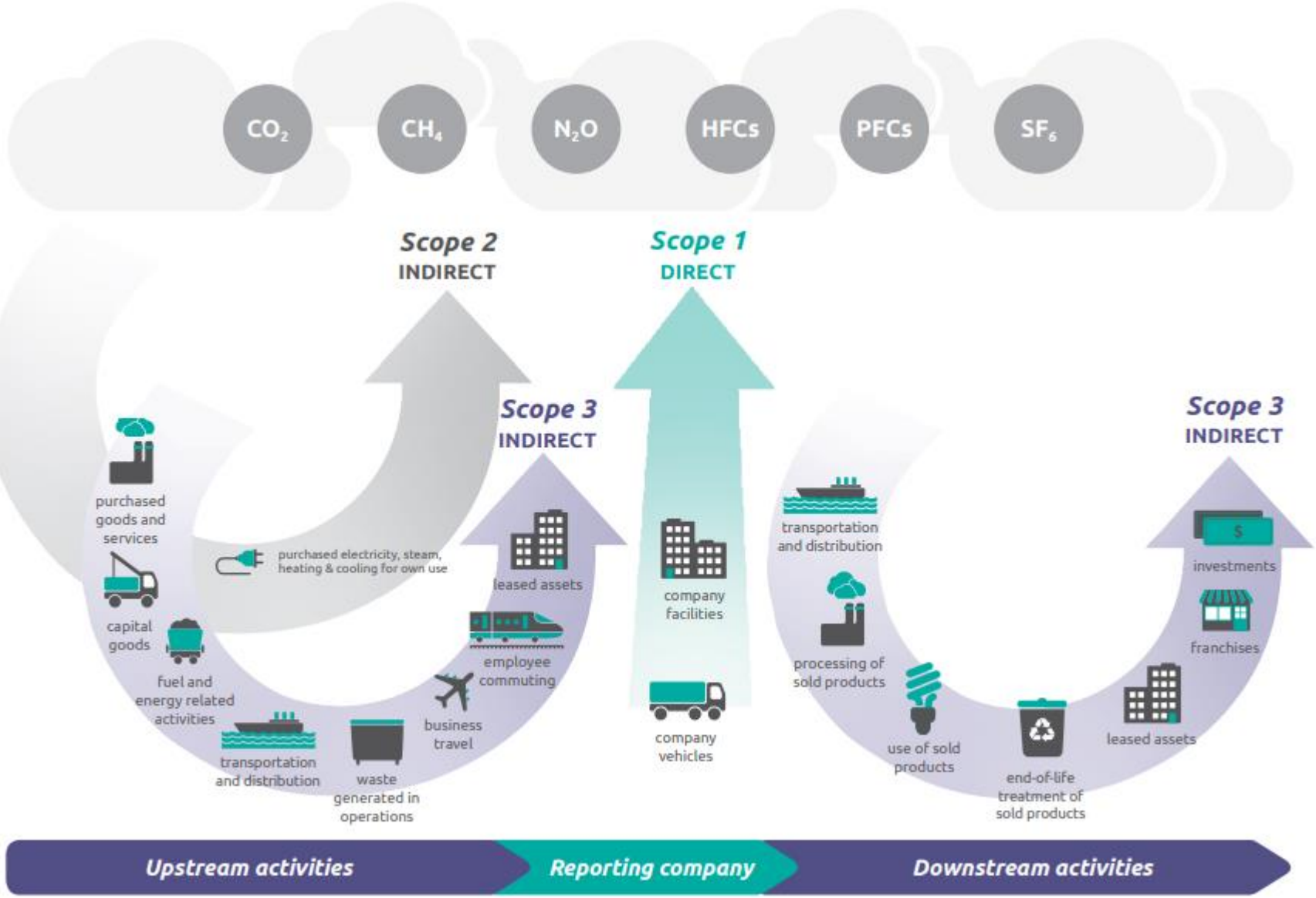
- Memo to Chapter Council started
- Preliminary inventory of GHG drafted
- Begun discussing recommendations

Overview of Draft Preliminary Inventory

- Purpose
- Boundaries-Scope
- Methods
- Magnitude of Emissions
- Major Sources of Emissions

Inventory Purpose

To efficiently estimate GHG emissions and offsets with sufficient accuracy and consistency across years to meet the needs of decision making


CO_2
CH_4
N_2O
HFCs
PFCs
SF_6
Scope 2
INDIRECT
Scope 1
DIRECT
Scope 3
INDIRECT
Scope 3
INDIRECT
purchased goods and services
capital goods
fuel and energy related activities
transportation and distribution
waste generated in operations
business travel
employee commuting
leased assets
purchased electricity, steam, heating & cooling for own use
company facilities
company vehicles
transportation and distribution
processing of sold products
use of sold products
end-of-life treatment of sold products
leased assets
franchises
investments
Upstream activities
Reporting company
Downstream activities

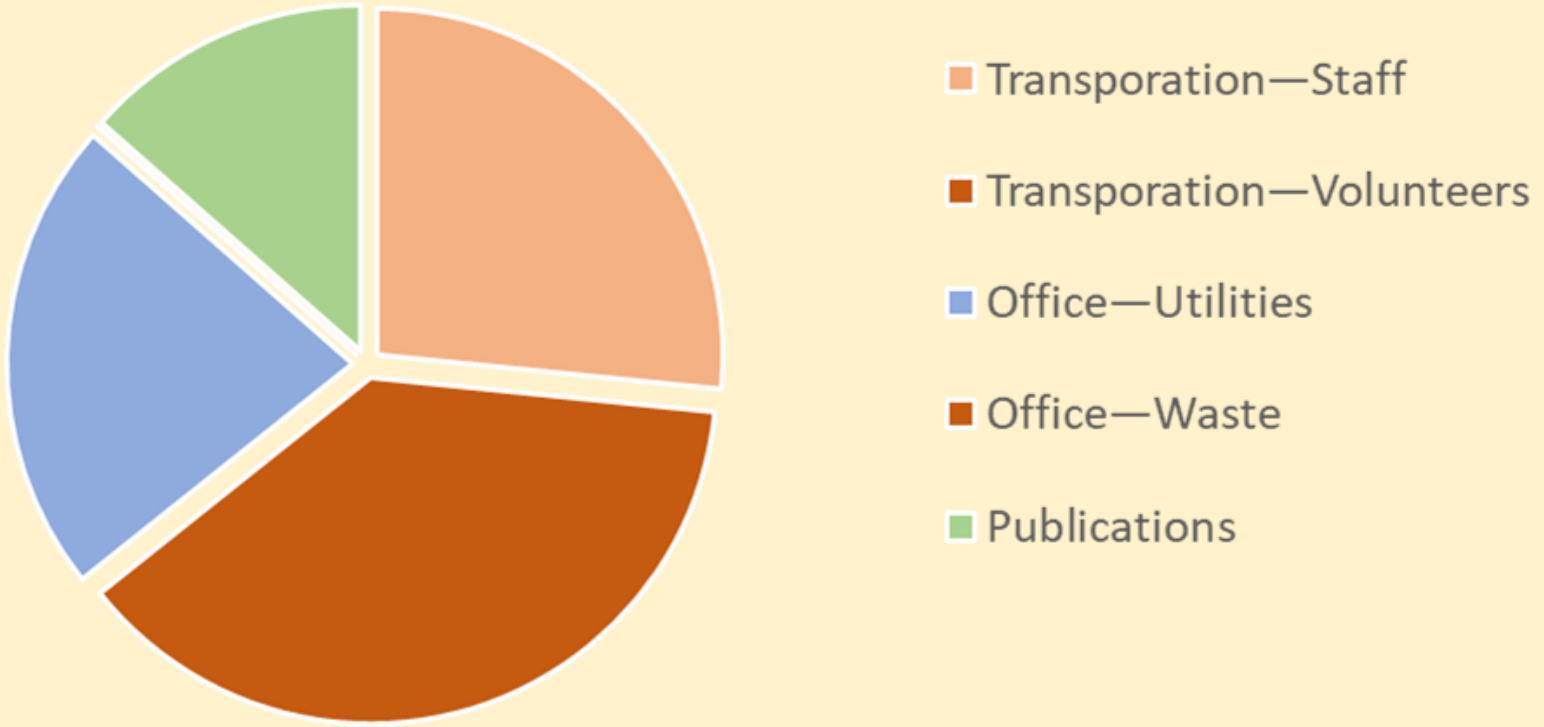
Methods

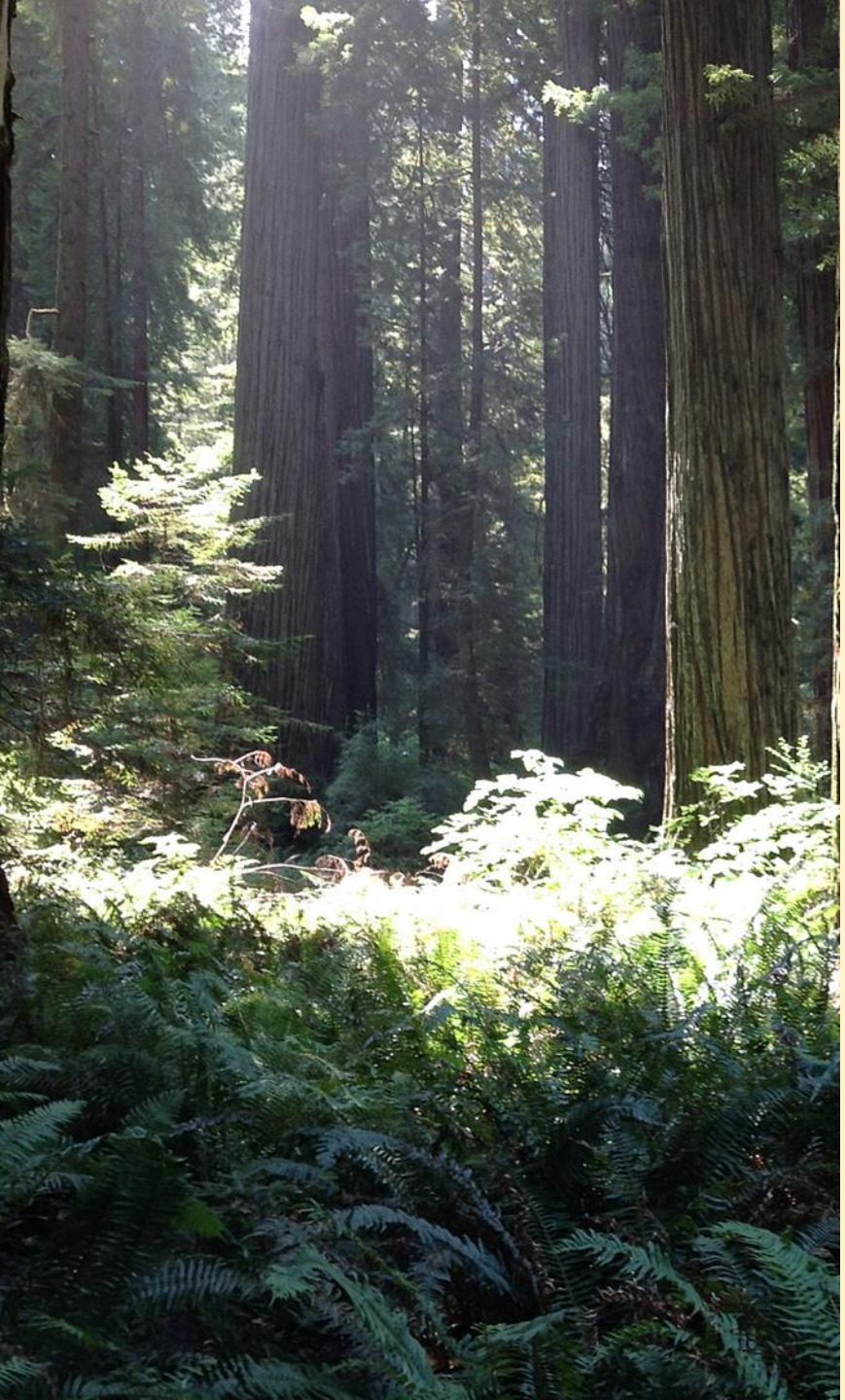
- Inputs
  - CAAR
  - CNPS records (e.g., expense reports, vehicle logs)
  - National and regional average values
- Calculation
  - *Simplified GHG Emissions Calculator* (EPA)
  - *Corporate Accounting and Reporting Standard* (World Business Council for Sustainable Development and World Resources Institute)

Just How BIG Are CNPS Emissions?

- Roughly 160 metric tons of $CO_2e\ yr^{-1}$
- Roughly equivalent to:
  - "Carbon footprint" of several U.S. households
  - Emissions from irrigating 75–150 acres of lawn
  - Sequestration by 1,800–3,200 1-foot-DBH trees

Sources of CNPS GHG Emissions





Contents of Memorandum (*Under Development*)

- GHG Emissions Inventory
- Recommendations
  - Scope
  - Tracking (CAAR guidance, surveys, milestones)
  - Further reducing emissions
  - Additional offsetting of emissions