CATALYST



CarbonHub: AFL's Approach to Tracking GHG Emissions



Brandon Money

Sustainability - Global Energy & Efficiency CEM CSDP AFL Global



- ✓ Overview of AFL
- ✓ Understanding GHG Emissions
- ✓ CarbonHub Overview
- ✓ AFL's Approach
- ✓ Current Actions

About AFL Global



75% North America20% Europe/Middle East/Africa5% Asia Pacific

Mission

To connect our customers around the world with innovative technologies, exceptional products, and high-quality services

6 Core Values













Innovation C

Collaboration & Accountability

Environment, Health & Safety Community Engagement



1984 AFL founded



Strong growth position

In fiber optic products, conductor accessories and network services



6,800+Worldwide team members



130+ Countries sold to

25 Languages spoken

1 Globally unified team



Core Market Segments

Energy | Service Provider | Industrial Hyperscale | Enterprise





67Global locations



3,000+
Global products



60 million

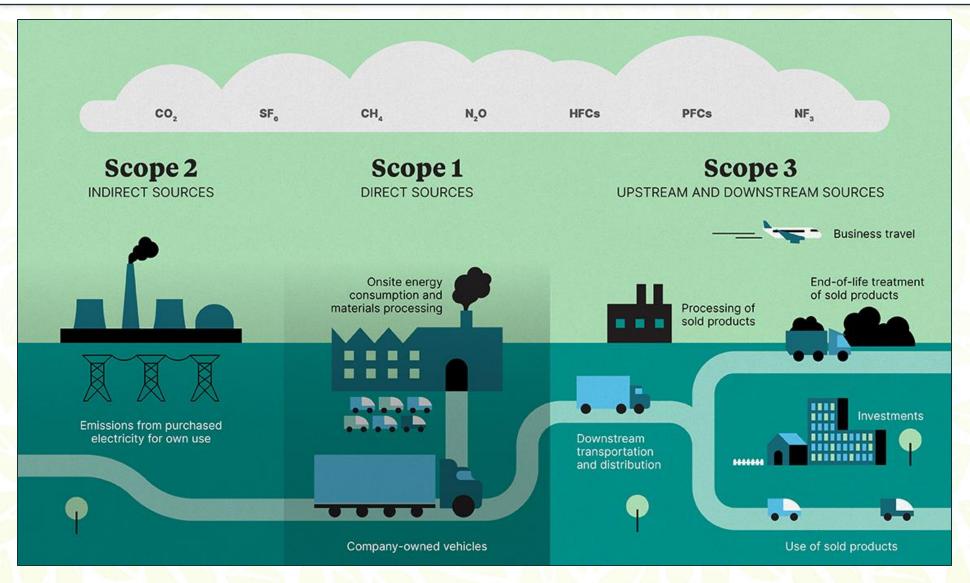
Fiber termination capacity per year and growing



17
Unique North
American Services

Understanding GHG Emissions

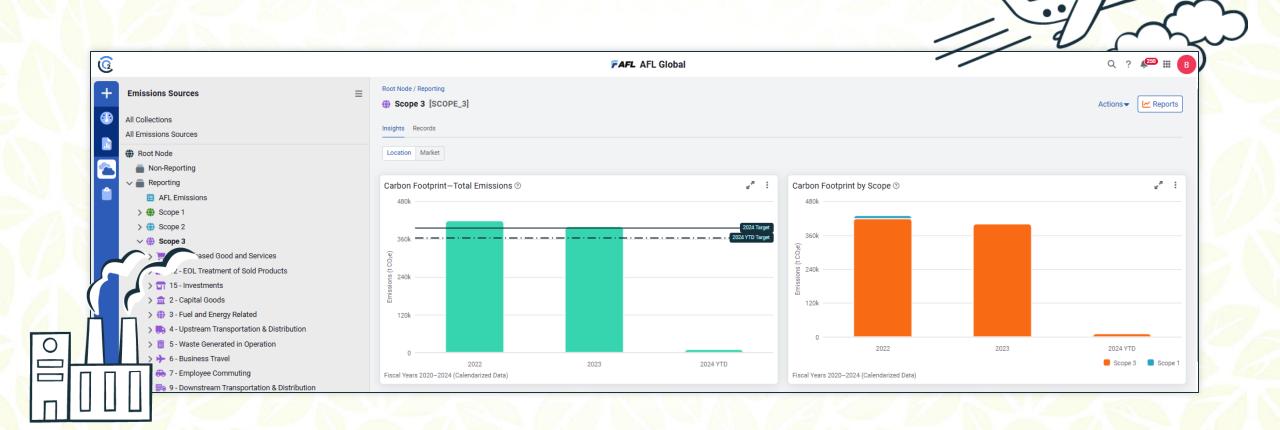
Understanding GHG Emissions



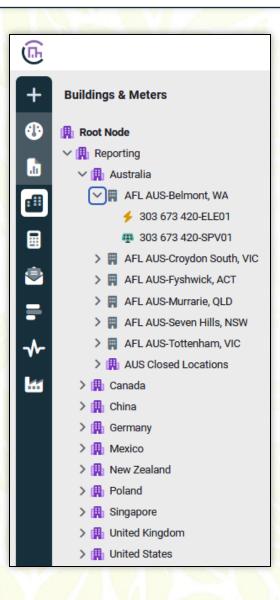
CarbonHub Overview

Carbon Hub Overview

Carbon Hub is a financial-grade accounting software, simplified.



Carbon Hub Overview



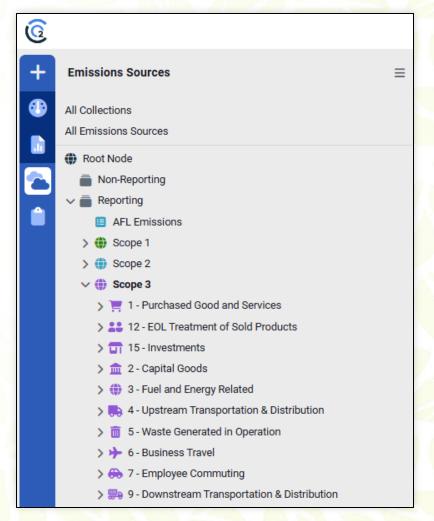
Utility Management (Commodities)

Utility bill management
Facility benchmarking
Tenant billing
M&V

Account & meter tracking

Carbon Hub (Emission Sources)

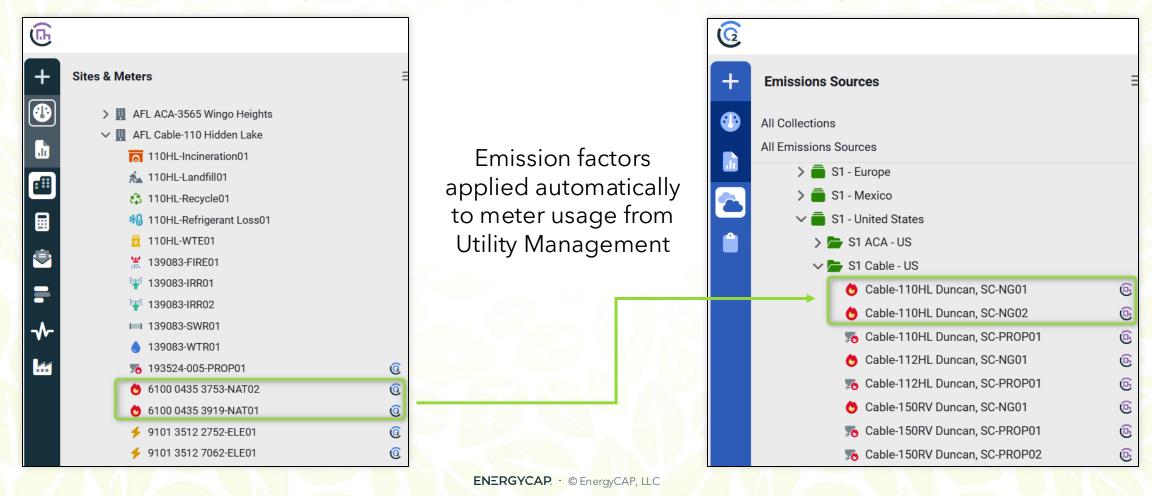
Emission source tracking
Emission factor database
Compliance reporting



Scope 1 Emissions

Direct emissions such as mobile and stationary combustion from an organization's facilities and vehicles

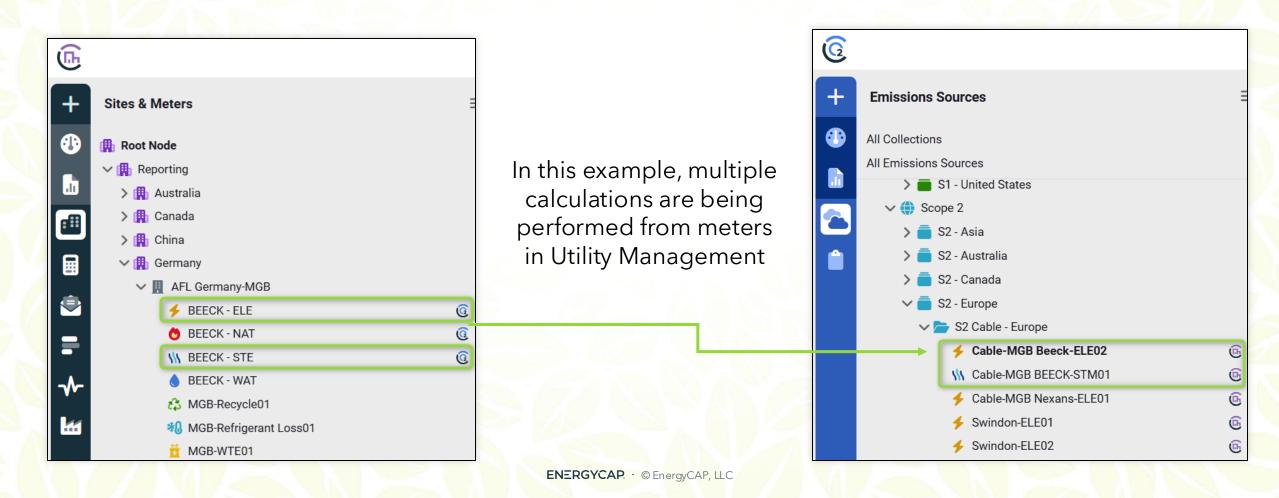
Examples: Natural Gas, Gasoline, Diesel, Kerosene, Propane



Scope 2 Emissions

Indirect emissions from purchased electricity, steam, heating and cooling

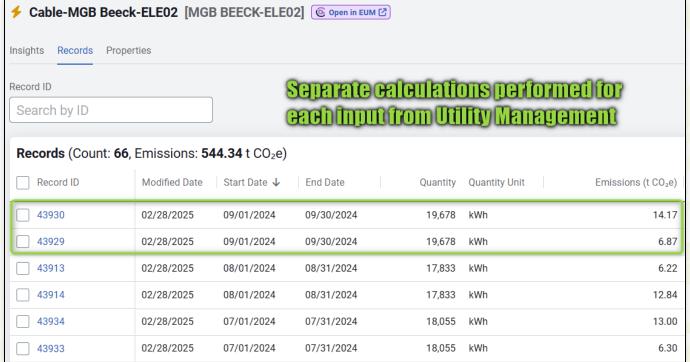
Capability to calculate location and market-based emissions



Scope 2 Emissions (Location & Market-Based)

In this example, multiple emission factors are being applied to usage data from Utility Management Result is Scope 2 Location & Market-Based emissions being calculated automatically





Scope 3 Emissions

Upstream and Downstream emissions from the full scope of company or organization's activities

Category 1 - Purchased Good/Services

Category 2 - Capital Goods

Category 3 - Fuel & Energy Activities

Category 4 - Upstream Trans & Distr

Category 5 - Waste Generated in Ops

Category 6 - Business Travel

Category 7 - Employee Commuting

Category 8 - Upstream Leased Assets

Category 9 - Downstream Trans & Distr

Category 10 - Processing of Sold Products

Category 11 - Use of Sold Products

Category 12 - EOL Treatment of Products

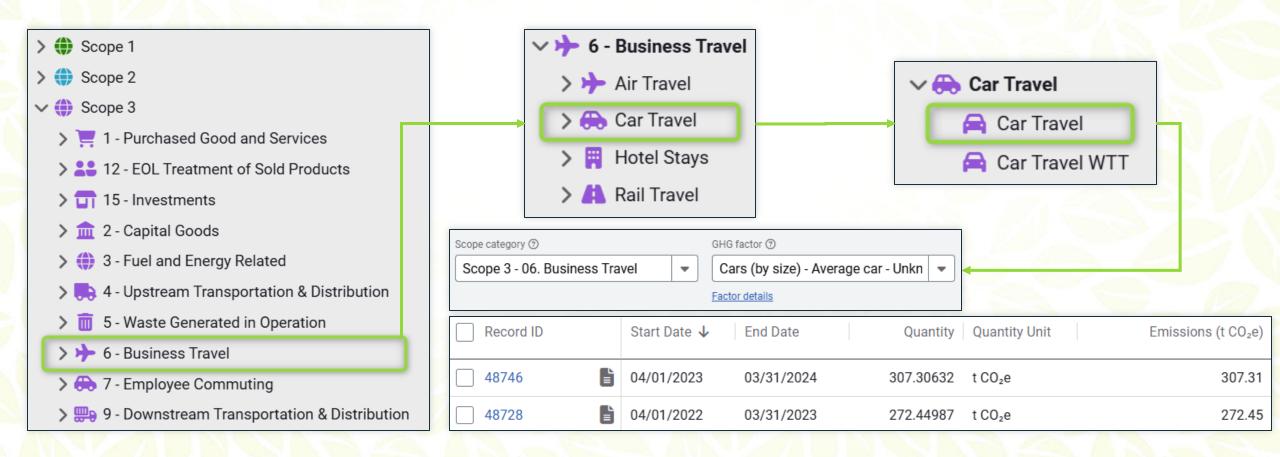
Category 13 - Downstream Leased Assets

Category 14 - Franchises

Category 15 - Investments

Scope 3 Emissions

Scope 3 can be calculated directly from meters in Utility Management or Emission Sources in Carbon Hub Factors available in Carbon Hub database or capability exists to upload custom factors



AFL's Approach

AFL's Approach: Rewind to 2022

AFL Leadership recognized need of structured effort to address ESG concerns.

- Customer requests for Sustainability data and commitments
- No formal energy management system or sustainability programs
- Utility and other company data managed in silos
- Customer requests outpacing AFL provided information



























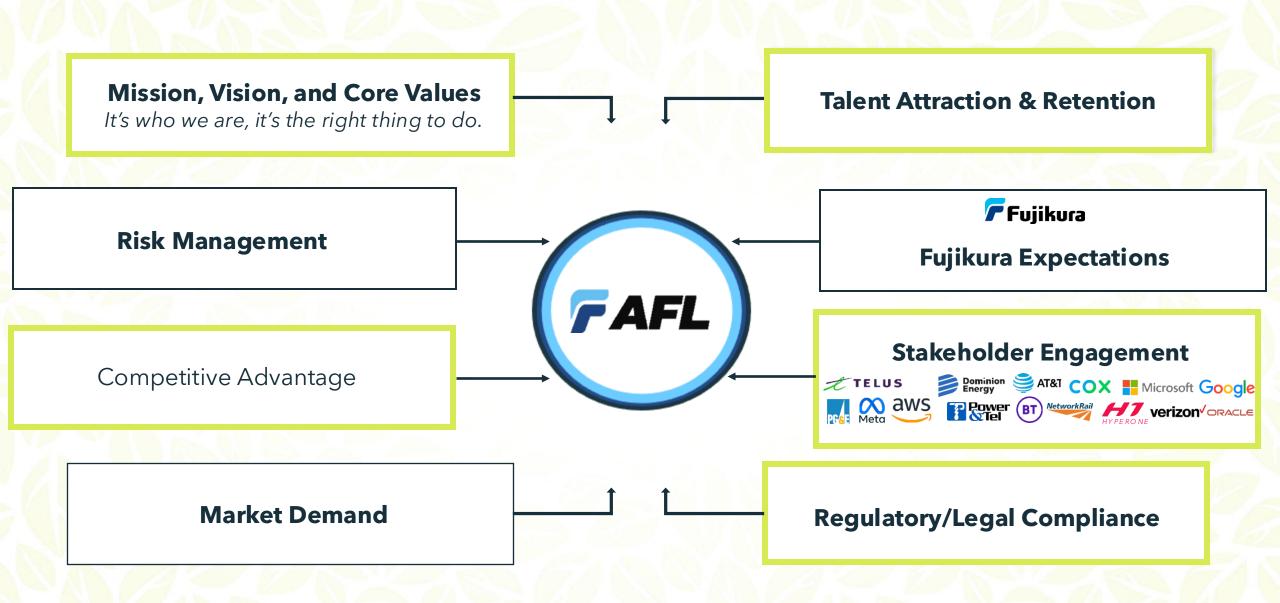












AFL's Approach: Fast Forward to 2025

Reporting Commitments

- Carbon Disclosure Project (CDP)
- EcoVadis
- The Sustainability Project (TSP)
- Responsible Business Alliance (RBA)
- Science-based Targets Initiative (SBTi)
- SASB, GRI, CSRD, UNGC, ESRS

- D to B-
- Non-reporting to Above Average
- 77% to 90%
- Medium risk to Low Risk
- Committed in 2023

AFL's Approach: How did we get to where we are today?

Hired and developed dedicated personnel

- Global Sustainability and Energy lead
- Energy Engineers for large manufacturing sites and business units
- Developed bench strength from operations, maintenance and EHS Teams

Partnered with industry experts

- EnergyCAP for our utility and GHG accounting software
- EnergyStar for our Energy Management System development

Monthly touchpoints with customers and suppliers to align on Sustainability initiatives

Subscribed to EnergyCAP's UtilityManagement, CarbonHub, BillCAPture, International Service, and RDBI service

Capital investment in metering underway with plans to utilize EnergyCAP Smart Analytics

Current Actions

What are we working on?

Continuous improvement related to sustainability

- Product-level emissions details (Lifecycle Assessments of our products)
- Incorporate sustainability into R&D and new product design
- Increase automation in Scope 3 data collection

Real-Time Response

- Utilize Smart Analytics and Building Automation Systems to alert manufacturing staff
- Data visualization to the operators
- Utilize EUM public dashboards for live Sustainability feed for customers