



## Drawdown Framework

Drawdown is the future point in time when levels of greenhouse gases in the atmosphere stop climbing and start to steadily decline. This is the point when



Widespread awareness and understanding of climate solutions is vital

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## The Challenge

To understand and advance climate solutions, it's important to understand the sources of emissions and nature's means of rebalancing the climate system.

Burning fossil fuels for electricity, mobility, and heat. Manufacturing cement and steel. Plowing soils. Clearing forests and degrading other ecosystems. All these activities emit heat-trapping carbon dioxide into the air. Cattle, rice fields, landfills, and fossil fuel operations release methane—a gas that warms the planet even more. Nitrous oxide and fluorinated gases seep out of agricultural lands, industrial sites, refrigeration systems, and urban areas, adding still more heat-trapping pollutants to Earth's atmosphere.

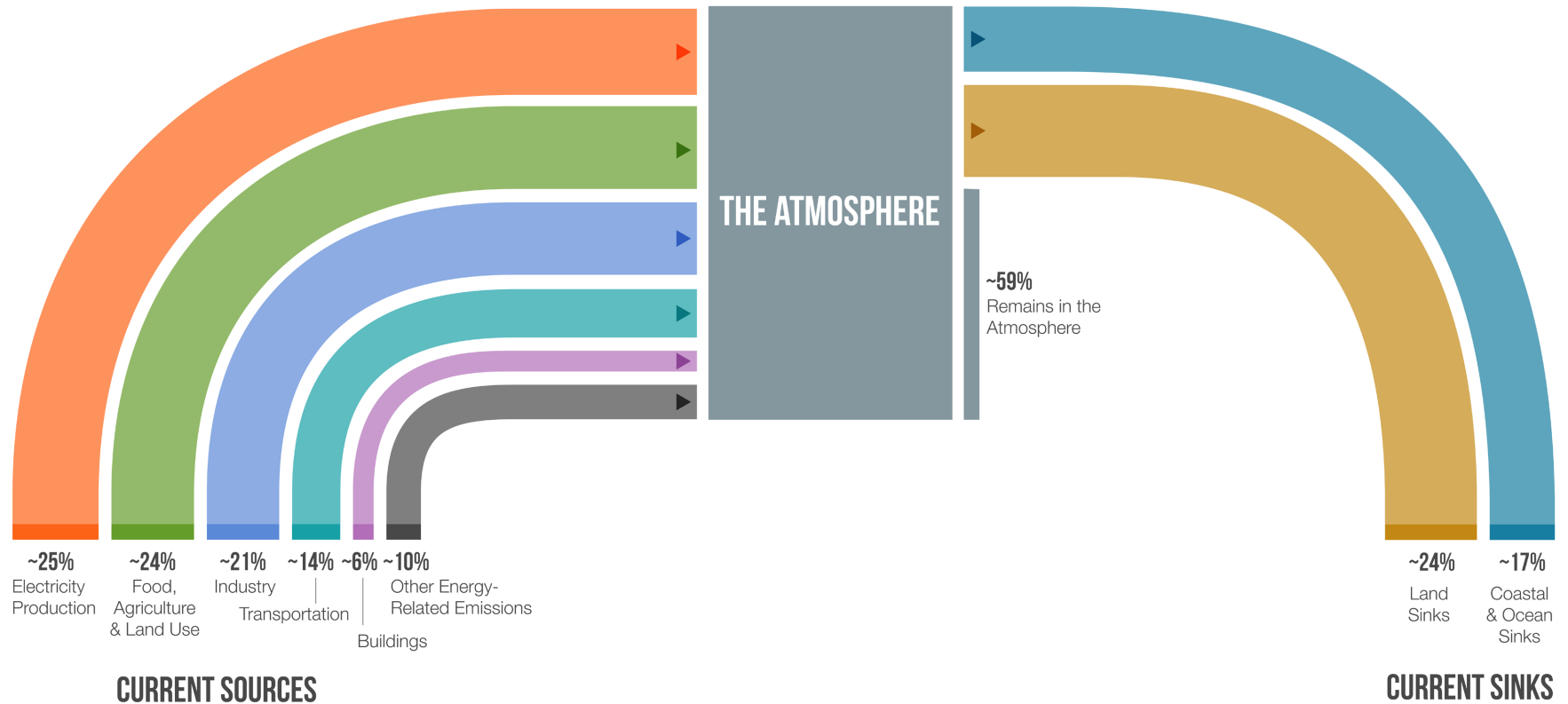
Most of these greenhouse gases stay airborne, but not all. Natural biological and chemical processes—especially photosynthesis—bring some of that excess back to plants, soil, or sea. These “sinks” are nature's reservoirs for absorbing and storing carbon. While most heat-trapping emissions stay in the atmosphere, significant portions are quickly removed by plants on land or taken up by oceans.

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# EMISSIONS SOURCES & NATURAL SINKS



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Source: IPCC (2014) & Global Carbon Project (2019)

## The Solutions

To reach Drawdown, we must work on all aspects of the climate equation—stopping sources and supporting sinks, as well as helping society achieve broader transformations. That is, three connected areas call for action, which we must pursue globally, simultaneously, and with determination.

1. Reduce Sources — *bringing emissions to zero*

2. Support Sinks — *uplifting nature's carbon cycle*

3. Improve Society — *fostering equality for all*

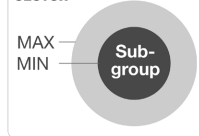
Nested within each area of action, there are sectors and subgroups of diverse solutions—practices and technologies that can help the world stabilize and then begin to lower greenhouse gas levels in the atmosphere. Together, they comprise the Drawdown Framework for climate solutions.

# DRAWDOWN FRAMEWORK FOR CLIMATE SOLUTIONS

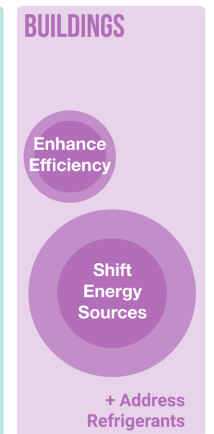
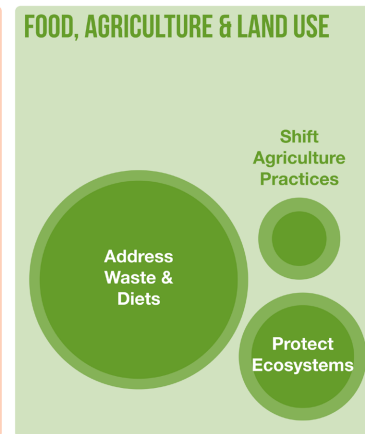
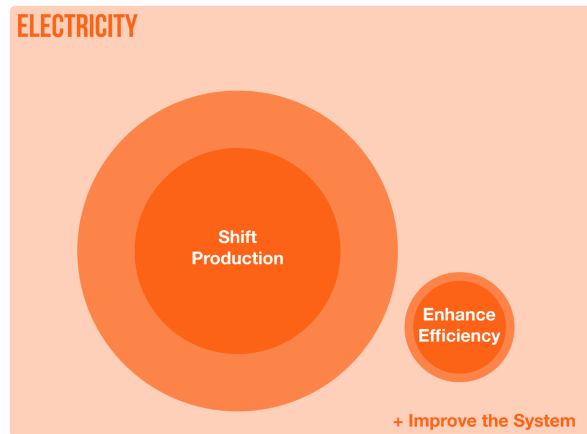
## How to Read It

Size represents potential emissions reductions (CO<sub>2</sub>-eq (Gt)) 2020-2050

### SECTOR



## 1. REDUCE SOURCES



## 2. SUPPORT SINKS



## 3. IMPROVE SOCIETY



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Source: Project Drawdown Analysis, [www.drawdown.org](http://www.drawdown.org)

Here, you see the potential emissions impact of each sector, as well as the solution subgroups therein. Using two different scenarios of solution

implementation, we derived the minimum and maximum impact shown here.

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## Climate Solutions at Work

Climate Solutions at Work, presented by Drawdown Labs, is a how-to guide for employees looking to make every job a climate job.



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survive through uncertain times. Even for the most passionate climate advocates, it can be hard to know how to accelerate action in the workplace and where to begin. This easy-to-browse guide explores creative ways to bring the world's best private-sector climate solutions to life.

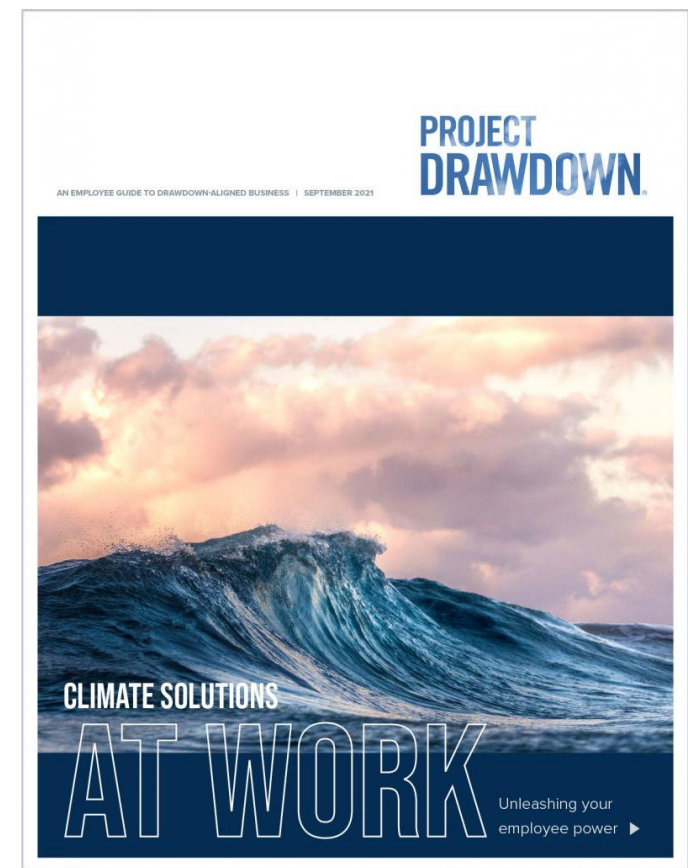
**Climate Solutions at Work** is a new north star for employees looking to help shift companies beyond net zero.

## ABOUT THE GUIDE

This easy-to-flip-through guide—published by **Drawdown Labs**—will help the climate-concerned employee assess whether or not their company is taking adequate steps to address the climate crisis, and how they can utilize their power to push their company well beyond 'net zero'. It can also be used by the general public to be more sophisticated judges of the corporate climate announcements we often hear about.

Throughout, the guide mentions specific job functions (e.g., marketing, human resources, government affairs, etc.) that have enormous untapped potential to drive climate action. As employees read the guide, we also encourage them to also think about the specific **solutions** they can integrate into their climate work.

This **employee-focused guide** has two main objectives:



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1. Democratize climate action so that all employees can contribute. You don't need to have "sustainability" or "climate" in your job title to take powerful climate action. **Every job can be a climate job.** This guide helps all employees across all sectors find their inroad.
2. Elevate business climate leadership by looking beyond "net zero." A new **drawdown-aligned business framework** can help companies leverage their social, political, financial, and employee power in pursuit of a stable climate and just future for all.

## THE FRAMEWORK

The Drawdown-Aligned Business Framework framework highlights key leverage points and specific climate actions that all businesses must tap to help the world achieve drawdown quickly, safely and equitably. To be drawdown-aligned, companies must leverage their social, political, financial, and employee power to scale the climate solutions we have in-hand today. Employees across a business have an important role to play in bringing about this paradigm shift.

### THE DRAWDOWN-ALIGNED BUSINESS FRAMEWORK

This framework highlights key leverage points and climate actions that all businesses must tap to help the world achieve drawdown quickly, safely, and equitably. To be drawdown-aligned, companies must apply their social, political, financial, and employee power to scaling climate solutions we have in-hand today.

PROJECT DRAWDOWN

#### EMISSIONS REDUCTIONS

- Accelerate goals, include interim targets, and phase out use of offsets
- Use carbon removal technology as a last resort and only for unavoidable emissions
- Address supply chain and historical emissions
- Institutionalize emissions reduction efforts
- Embed climate justice

#### STAKEHOLDER ENGAGEMENT AND COLLABORATION

- Engage employees on climate action
- Create pathways for every job to be a climate job
- Ensure the board is climate-competent
- Engage and support local communities

#### CLIMATE POLICY ADVOCACY

- Use influence to advocate for climate policy at all levels of government
- Align political contributions
- Focus lobbying dollars on just climate solutions
- Push trade associations to align

#### BUSINESS MODEL TRANSFORMATION

- Embed climate considerations into every part of the business
- Focus business model on scaling climate solutions, phase out parts of the business that are incompatible

#### CLIMATE DISCLOSURES

- Publicly disclose climate-related risk and support mandatory disclosure standards

#### PRODUCTS, PARTNERSHIPS, AND PROCUREMENT

- Ensure products and partnerships don't serve bad climate actors
- Require suppliers to adopt science-based emissions reductions targets
- Prioritize circularity and low carbon materials

#### LONG-TERM THINKING

- Value long-term thinking over short-term profit and prioritize building a just climate future for all

#### INVESTMENTS AND FINANCING

- Offer employees climate-friendly retirement plans and investment opportunities
- Push banks and asset managers to align investments with the Paris Agreement
- Pressure insurance companies to stop underwriting and investing in carbon-intensive projects

Explore how to help build a “drawdown-aligned” business—one that leverages all of its social, political, financial, and employee power to secure a stable climate and just future for all. Click [here](#) to expand.


## GET STARTED TODAY

The Intergovernmental Panel on Climate Change (IPCC) calls for "fundamental societal and systems transitions and transformations," an order the private sector—with its vast monetary and human resources—must address in sweeping fashion. *Everyone, everywhere* can and must participate in the greatest challenge—and opportunity—in human and planetary history.

Download your free copy of **Climate Solutions at Work** today.

## SHARE YOUR EXPERIENCE

Every job can be a climate job. That's where you come in: We want to know and share how YOU are planning to use Climate Solutions at Work to shift thinking on business climate leadership and take action in your workplace.

**Complete the form here**  to share how you are hoping to use the guide (or currently using it) and to receive the latest updates from Drawdown Labs. This will include opportunities to share your story of employee climate action to help others see what is possible.

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