



The Habitat Protection Project

*"Encouraging individuals to participate
in the rebalancing of nature,
one habitat at a time."*

www.habitatprotectionproject.org



thehabitatprotectionproject



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DRAWDOWN

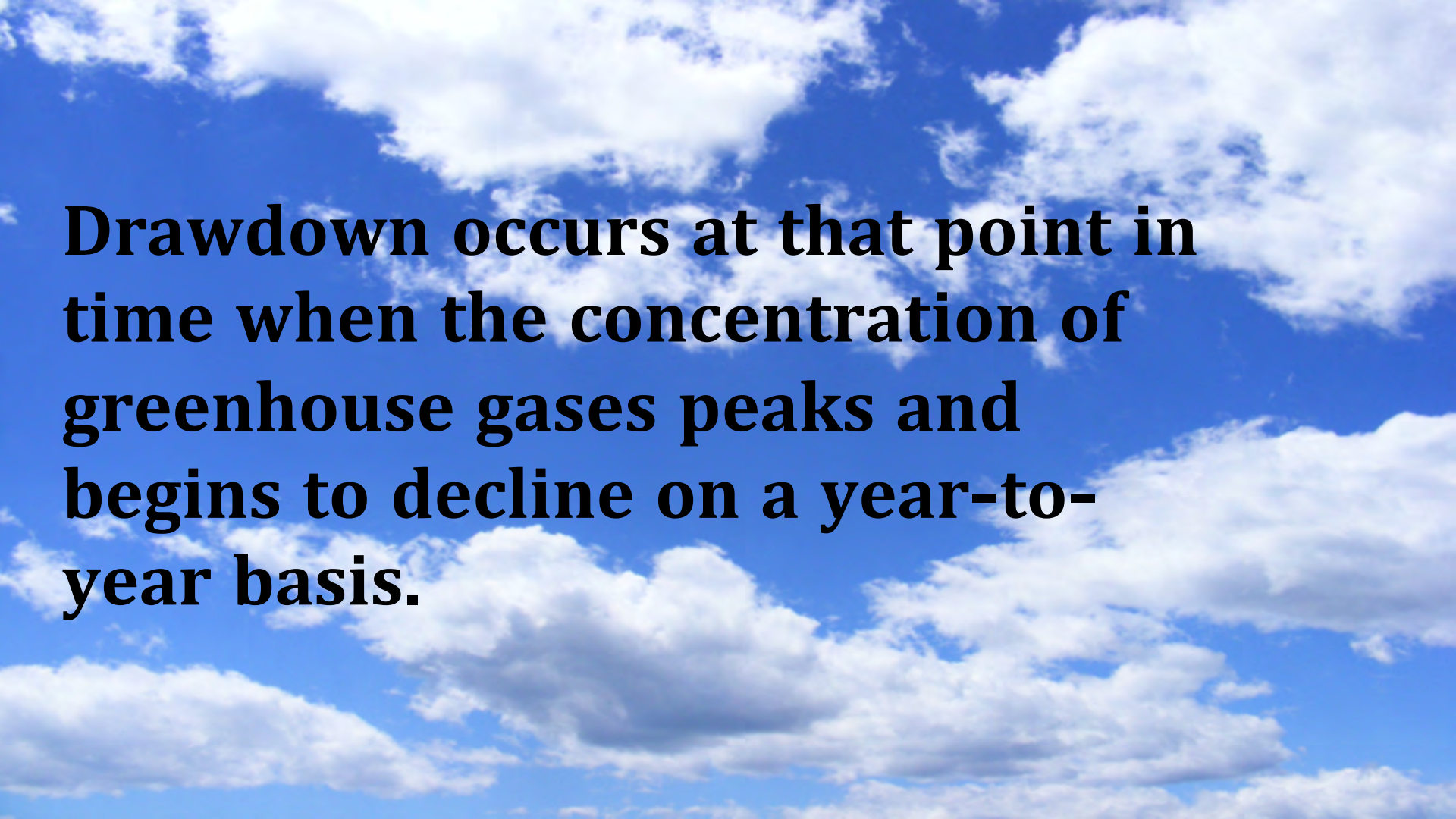
**THE MOST COMPREHENSIVE
PLAN EVER PROPOSED TO
REVERSE GLOBAL WARMING
EDITED BY PAUL HAWKEN**

Objective

- Our objective for these presentations is to build a community of people who want to care for the earth by taking concrete actions, either individually or in small groups, that reduce global warming.

Our Goals for this Intro

- Learn about the Drawdown project
- See the possibility of reversing global warming
- Discover how we all can help our earth



Drawdown occurs at that point in time when the concentration of greenhouse gases peaks and begins to decline on a year-to-year basis.

Food

Reduced Food Waste
Plant-Rich Diet
Silvopasture
Regenerative Agriculture
Tropical Staple Trees
Conservation Agriculture
Tree Intercropping
Managed Grazing
Clean Cookstoves
Farmland Restoration
Improved Rice Cultivation
Multistrata Agroforestry
System of Rice
Intensification
Composting
Nutrient Management
Farmland Irrigation
Biochar

Women and Girls

Educating Girls
Family Planning
Women Smallholders

Land Use

Tropical Forests
Temperate Forests
Peatlands
Afforestation
Bamboo
Forest Protection
Indigenous Peoples' Land
Management
Perennial Biomass
Coastal Wetlands

Transport

Electric Vehicles
Ships
Mass Transit
Trucks
Airplanes
Cars
Telepresence
High-speed Rail
Electric Bikes
Trains
Ridesharing

Building and Cities

District Heating
Insulation
LED Lighting (Household)
Heat Pumps
LED Lighting (Commercial)
Building Automation
Walkable Cities
Smart Thermostats
Landfill Methane
Bike Infrastructure
Smart Glass
Water Distribution
Green Roofs
Net Zero Buildings
Retrofitting

Materials

Refrigerant Management
Alternative Cement
Water Saving - Home
Bioplastic
Household Recycling
Industrial Recycling
Recycled Paper

Energy

Wind Turbines (Onshore)
Solar Farms
Rooftop Solar
Geothermal
Nuclear
Wind Turbines (Offshore)
Concentrated Solar
Wave and Tidal
Methane Digesters (Large)
Biomass
Solar Water
In-Stream Hydro
Cogeneration
Methane Digesters (Small)
Waste-to-Energy
Micro Wind
Energy Storage
(Distributed)
Energy Storage (Utilities)
Grid Flexibility
Microgrids



Credit: Tyrone Turner/National Geographic Creative

BUILDINGS AND CITIES LED LIGHTING (HOUSEHOLD)

A Tarahumara woman in Cueche, Mexico, in her home with a single LED lantern. Imagine your house without lighting at night. Now imagine the blessing of even a single LED lantern. If used 5 hours a night, one bulb should last 27 years, making it the least expensive form of illumination on the planet.

The origin of LEDs (light emitting diodes) dates back to the 1874 invention of the diode—a crystal

#33



RANK AND RESULTS BY 2050

7.81 GIGATONS
REDUCED CO2

\$323.52 BILLION
NET IMPLEMENTATION COST

\$1.73 TRILLION
NET OPERATIONAL SAVINGS

IMPACT: Our analysis assumes that LEDs will become ubiquitous by 2050, encompassing 90 percent of the household lighting market. As LEDs become ubiquitous, they will



Credit: Tyrone Turner/National Geographic Creative

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drawdown)

#4

RANK AND RESULTS BY 2050

66.11 GIGATONS
REDUCED CO₂

Credit: Imagno

FOOD PLANT-RICH DIET

GLOBAL COST AND SAVINGS
DATA TO VARIABLE TO BE
DETERMINED

REDUCED FOOD WASTE

#3

RANK BY 2050

70.53 GT

REDUCED CO2



TELEPRESENCE



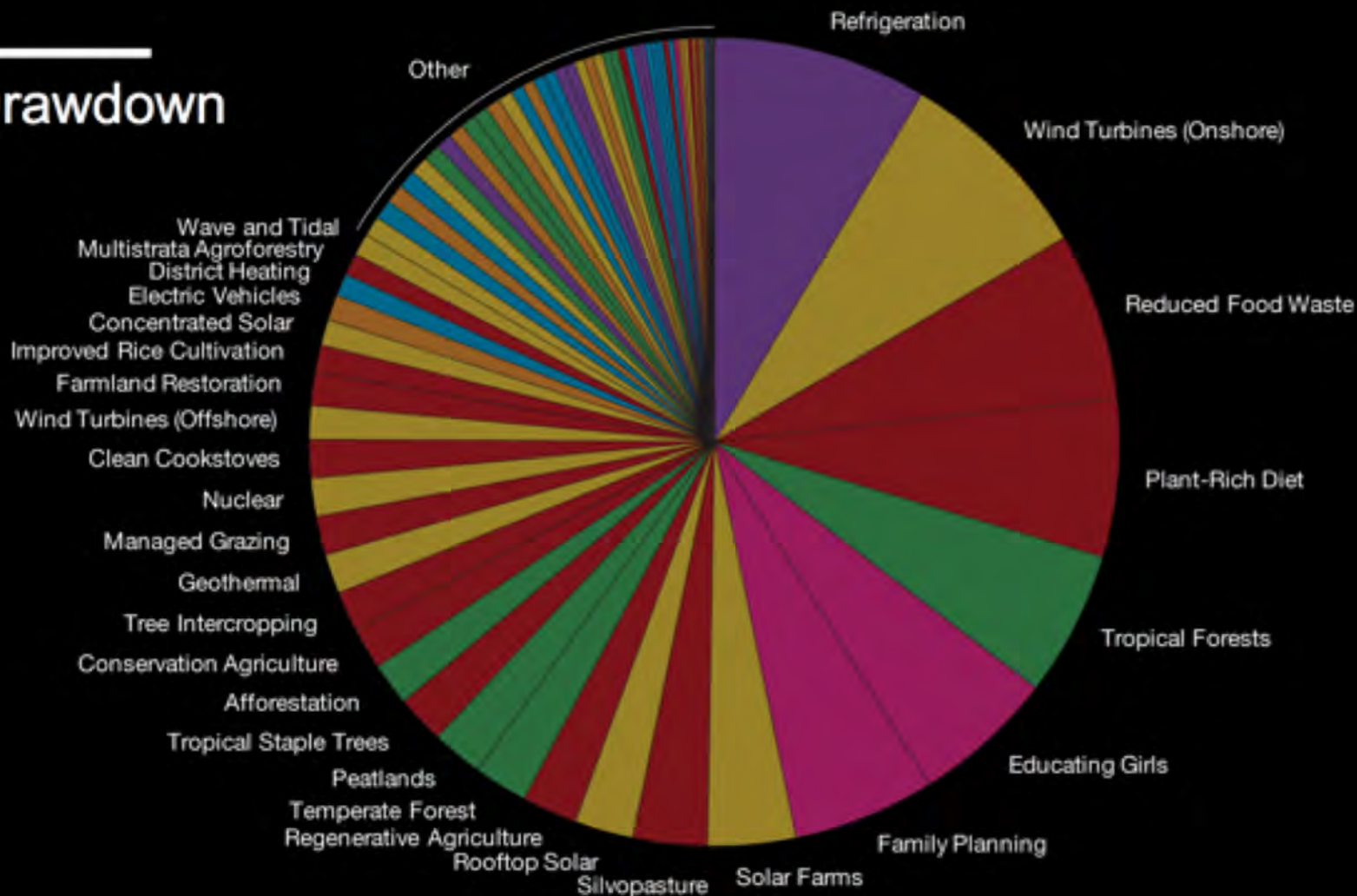
#63
RANK BY 2050

1.99 GT
REDUCED CO2

\$127B
NET COST

\$1.31T
NET SAVINGS

Drawdown



What's Next for You

- *Talk to people about Drawdown*
- *Go to environmental websites*
- *Watch TED Talks about Drawdown*
- *Offer a Drawdown Intro session*
- *www.drawdown.org*